

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
 Data File : BF113142.D
 Acq On : 19 Mar 2019 23:03
 Operator : JU/SJ
 Sample : K1971-04 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-9(7-8)-031519

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.839	462	468	472	rBV2	78390	103171	7.29%	0.414%
2	5.116	511	515	518	rBV	112050	118405	8.37%	0.476%
3	5.328	548	551	558	rVV	239894	260715	18.43%	1.047%
4	5.528	582	585	589	rVV	110887	98136	6.94%	0.394%
5	5.569	589	592	594	rVV	71846	69535	4.92%	0.279%
6	5.739	614	621	625	rBV2	130298	199048	14.07%	0.799%
7	5.798	625	631	634	rBV2	83759	147305	10.41%	0.592%
8	5.875	639	644	649	rVB	218158	221419	15.65%	0.889%
9	5.928	649	653	658	rBV3	97192	148703	10.51%	0.597%
10	5.975	658	661	667	rVB3	162585	214604	15.17%	0.862%
11	6.028	667	670	673	rBV2	102631	119435	8.44%	0.480%
12	6.169	688	694	697	rBV2	216094	283847	20.07%	1.140%
13	6.257	705	709	710	rBV	84950	87421	6.18%	0.351%
14	6.286	711	714	718	rVB2	101928	120776	8.54%	0.485%
15	6.363	722	727	731	rBV	347349	401234	28.37%	1.612%
16	6.469	741	745	746	rBV	176607	150220	10.62%	0.603%
17	6.492	746	749	754	rVB	419012	435367	30.78%	1.749%
18	6.663	775	778	782	rVV3	82126	121049	8.56%	0.486%
19	6.722	782	788	791	rVV	1094467	994309	70.29%	3.994%
20	6.751	791	793	796	rVB	240637	190301	13.45%	0.764%
21	6.792	796	800	803	rVB2	134856	156657	11.08%	0.629%
22	6.851	807	810	812	rVV	174527	161228	11.40%	0.648%
23	6.875	812	814	819	rVV2	539812	529338	37.42%	2.126%
24	6.939	823	825	827	rBV	66805	73063	5.17%	0.293%
25	6.963	827	829	831	rVV2	92025	87388	6.18%	0.351%
26	6.998	833	835	841	rVB5	74518	85679	6.06%	0.344%
27	7.086	845	850	852	rBV2	88740	104570	7.39%	0.420%
28	7.122	853	856	858	rBV	141885	108838	7.69%	0.437%
29	7.275	874	882	886	rBV3	297816	492090	34.79%	1.976%
30	7.310	886	888	890	rVV	150356	101834	7.20%	0.409%
31	7.380	898	900	903	rVB2	132645	130827	9.25%	0.525%
32	7.428	903	908	909	rBV3	83651	112624	7.96%	0.452%
33	7.498	915	920	921	rBV3	74976	98057	6.93%	0.394%
34	7.516	921	923	925	rVV	139858	157527	11.14%	0.633%

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35	7.533	925	926	930	rVB2	212002	155839	11.02%	0.626%
36	7.633	938	943	945	rBV2	277422	342965	24.25%	1.378%
37	7.663	945	948	950	rVB2	136612	148584	10.50%	0.597%
38	7.775	962	967	969	rBV3	103333	125114	8.85%	0.503%
39	7.833	973	977	981	rBV3	116318	151573	10.72%	0.609%
40	7.880	981	985	987	rBV3	76105	84289	5.96%	0.339%
41	7.969	994	1000	1002	rBV2	203886	249123	17.61%	1.001%
42	8.004	1002	1006	1011	rVV	1403409	1367954	96.71%	5.494%
43	8.063	1014	1016	1017	rVV2	126786	114910	8.12%	0.462%
44	8.080	1017	1019	1021	rVV	539450	400046	28.28%	1.607%
45	8.104	1021	1023	1031	rVB5	169949	353025	24.96%	1.418%
46	8.175	1031	1035	1037	rBV	110078	145428	10.28%	0.584%
47	8.245	1045	1047	1050	rVB4	107910	98409	6.96%	0.395%
48	8.286	1050	1054	1055	rBV3	134769	126278	8.93%	0.507%
49	8.304	1055	1057	1060	rVV	325312	296413	20.96%	1.191%
50	8.333	1060	1062	1065	rVV2	91306	82620	5.84%	0.332%
51	8.363	1065	1067	1070	rVB3	102232	90183	6.38%	0.362%
52	8.404	1070	1074	1076	rBV3	107008	111882	7.91%	0.449%
53	8.439	1077	1080	1085	rBV	631191	655975	46.38%	2.635%
54	8.604	1105	1108	1110	rBV	195800	196216	13.87%	0.788%
55	8.645	1113	1115	1117	rVV2	128529	135153	9.55%	0.543%
56	8.669	1117	1119	1122	rVV3	157009	186264	13.17%	0.748%
57	8.704	1122	1125	1128	rVB2	320079	367007	25.95%	1.474%
58	8.751	1128	1133	1134	rBV4	85452	138536	9.79%	0.556%
59	8.804	1139	1142	1143	rVV2	83651	75595	5.34%	0.304%
60	8.822	1143	1145	1150	rVB3	135149	140090	9.90%	0.563%
61	8.869	1150	1153	1155	rBV2	111255	91515	6.47%	0.368%
62	8.892	1155	1157	1159	rVV	121159	111949	7.91%	0.450%
63	8.922	1159	1162	1166	rVB	367576	321952	22.76%	1.293%
64	8.980	1169	1172	1175	rVB3	77690	70859	5.01%	0.285%
65	9.039	1179	1182	1184	rVV	527516	429526	30.37%	1.725%
66	9.080	1186	1189	1193	rVB	453825	404235	28.58%	1.624%
67	9.186	1202	1207	1209	rVV2	252889	397067	28.07%	1.595%
68	9.216	1209	1212	1213	rVV2	164513	196473	13.89%	0.789%
69	9.233	1213	1215	1220	rVV4	159127	258132	18.25%	1.037%
70	9.286	1220	1224	1227	rVB2	121041	160871	11.37%	0.646%
71	9.333	1227	1232	1234	rBV4	117244	156250	11.05%	0.628%

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72	9.363	1234	1237	1239	rVV	132796	111352	7.87%	0.447%
73	9.410	1239	1245	1246	rVV5	99707	142501	10.07%	0.572%
74	9.445	1249	1251	1254	rVV3	94894	99061	7.00%	0.398%
75	9.492	1254	1259	1262	rVV	924794	861901	60.93%	3.462%
76	9.522	1262	1264	1266	rVB	114991	98674	6.98%	0.396%
77	9.574	1271	1273	1275	rVV2	78572	76329	5.40%	0.307%
78	9.669	1286	1289	1292	rBV	89583	89750	6.35%	0.360%
79	9.757	1298	1304	1307	rVB	1486523	1414495	100.00%	5.681%
80	9.874	1321	1324	1327	rVB	99481	96387	6.81%	0.387%
81	9.922	1329	1332	1336	rBV3	84400	129760	9.17%	0.521%
82	9.963	1336	1339	1342	rVB	100423	95603	6.76%	0.384%
83	10.027	1347	1350	1353	rVB	240029	211315	14.94%	0.849%
84	10.139	1365	1369	1373	rVB2	80339	120108	8.49%	0.482%
85	10.251	1386	1388	1393	rVB2	105769	124347	8.79%	0.499%
86	10.316	1397	1399	1403	rVV3	89859	111907	7.91%	0.449%
87	10.357	1404	1406	1410	rVB	77510	73656	5.21%	0.296%
88	10.416	1412	1416	1419	rVB	427626	407543	28.81%	1.637%
89	10.539	1433	1437	1441	rBV2	182040	231250	16.35%	0.929%
90	10.680	1457	1461	1469	rVB	536258	604981	42.77%	2.430%
91	11.145	1537	1540	1544	rVB	334875	323123	22.84%	1.298%
92	11.233	1552	1555	1558	rBV	1194923	1070163	75.66%	4.298%
93	11.492	1596	1599	1602	rBV	157286	151021	10.68%	0.607%
94	11.880	1664	1665	1669	rVB2	125043	93650	6.62%	0.376%
95	11.980	1679	1682	1684	rBV2	250566	227341	16.07%	0.913%
96	12.227	1722	1724	1728	rVB	141546	141715	10.02%	0.569%
97	12.439	1758	1760	1763	rBV3	113387	133576	9.44%	0.537%
98	12.815	1821	1824	1828	rBV2	381079	389524	27.54%	1.565%
99	13.868	1999	2003	2006	rBV	821783	899971	63.62%	3.615%
100	15.280	2240	2243	2247	rVB	509327	543580	38.43%	2.183%

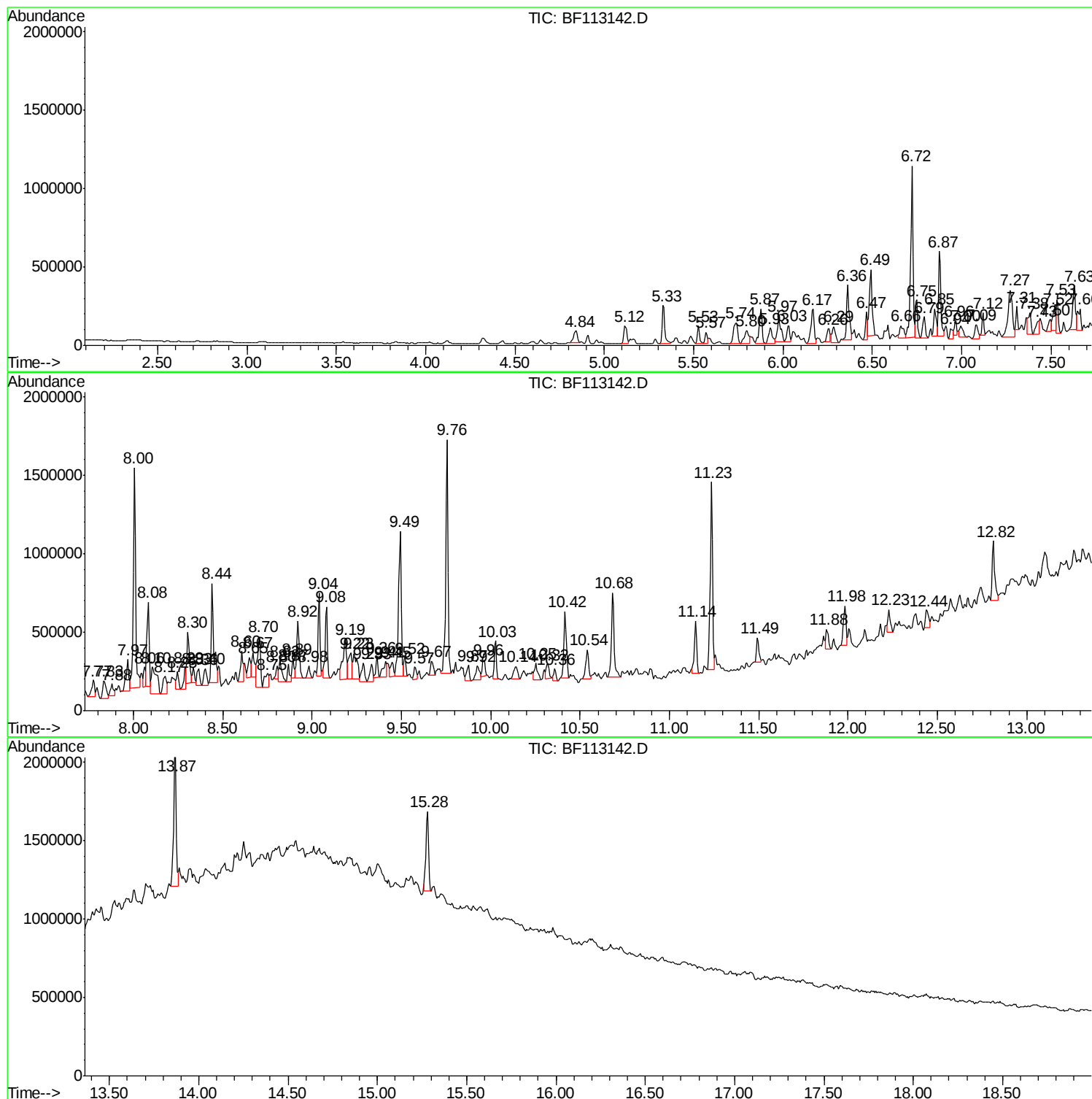
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Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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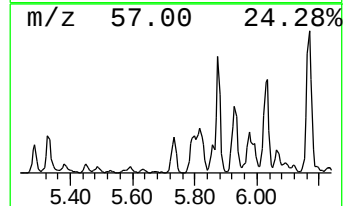
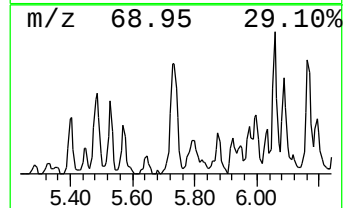
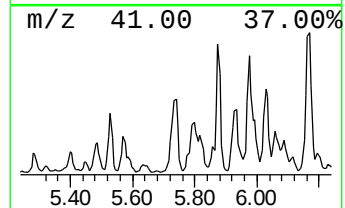
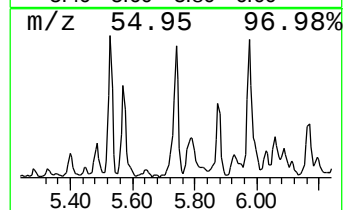
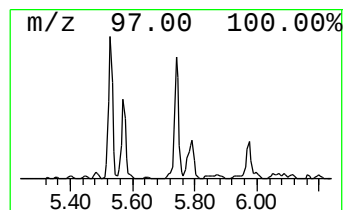
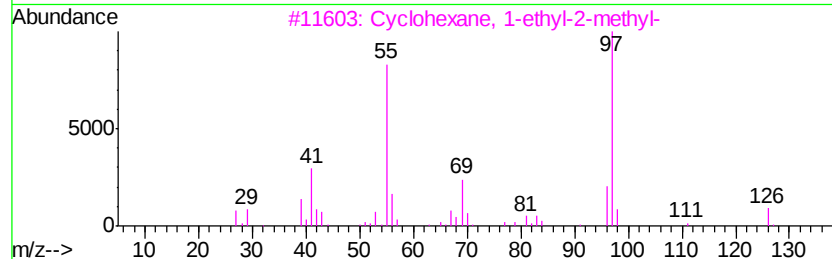
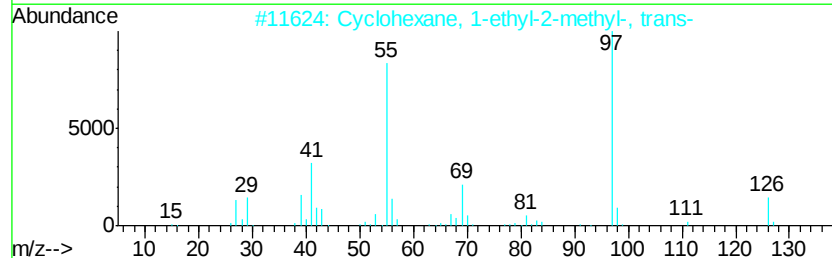
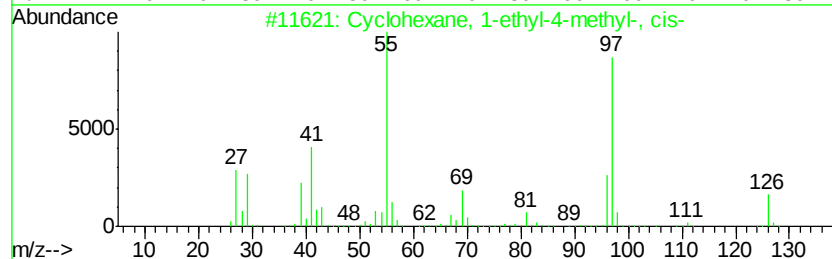
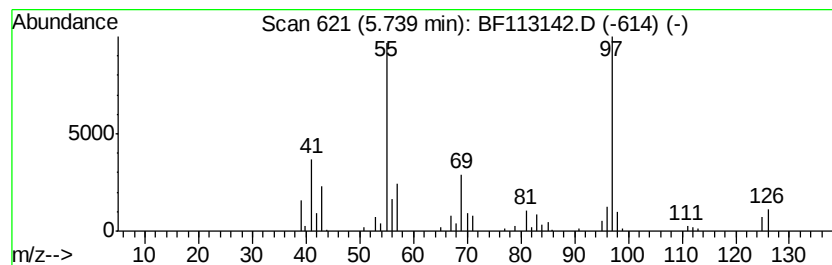
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Cyclohexane, 1-ethyl-4-meth... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.74	4.00 ng	199048	1,4-Dichlorobenzene-d4	6.72

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	83
2			Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	81
3			Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	81
4			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	80
5			1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	80



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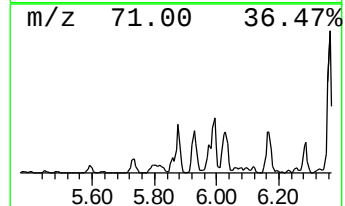
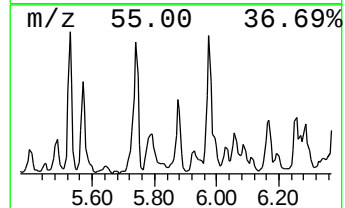
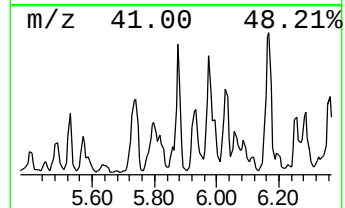
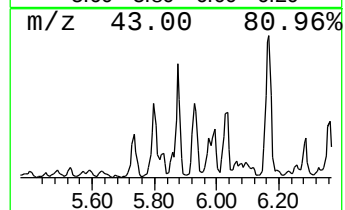
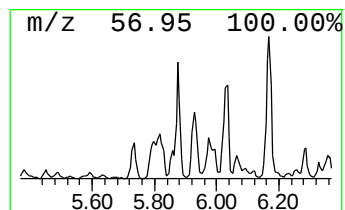
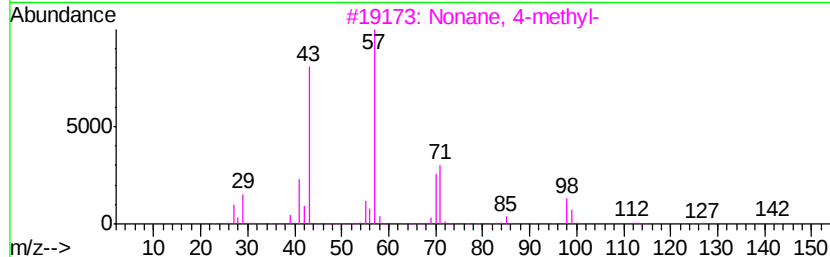
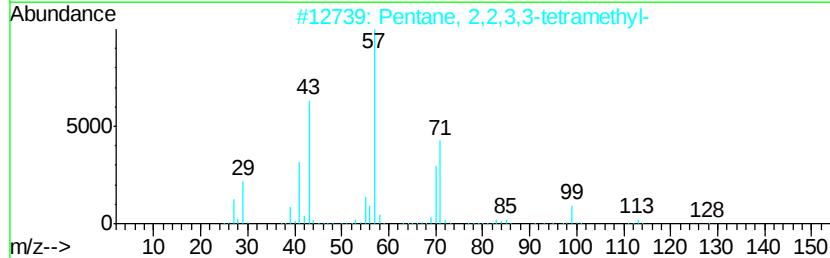
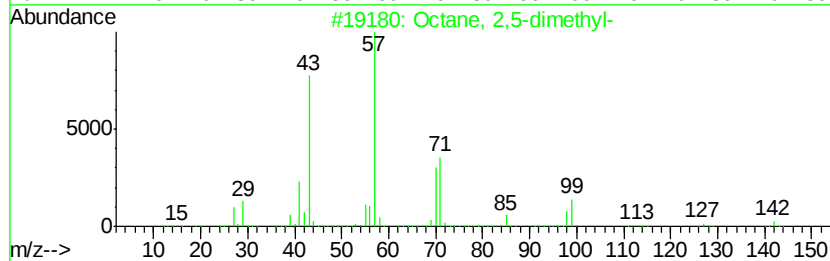
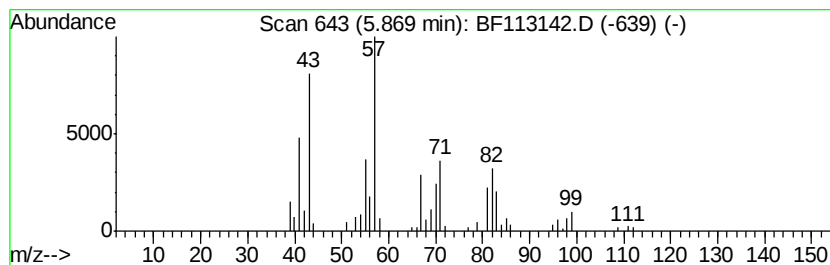
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown5.87 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.87	4.45 ng	221419	1,4-Dichlorobenzene-d4	6.72

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	43
2			Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	38
3			Nonane, 4-methyl-	142	C10H22	017301-94-9	38
4			Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	35
5			Heptane, 2,3,6-trimethyl-	142	C10H22	004032-93-3	27



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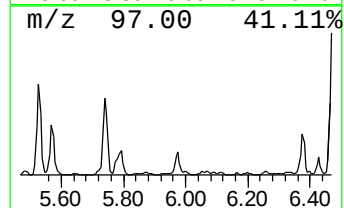
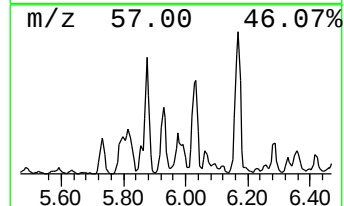
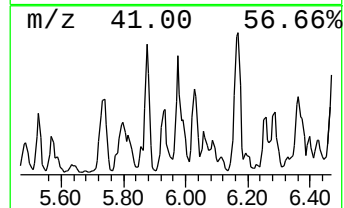
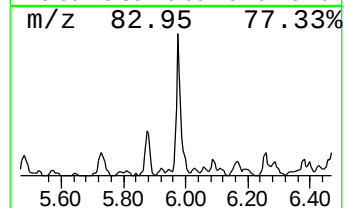
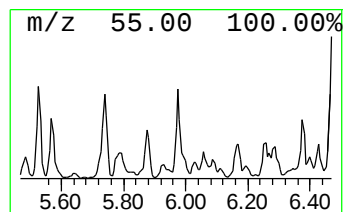
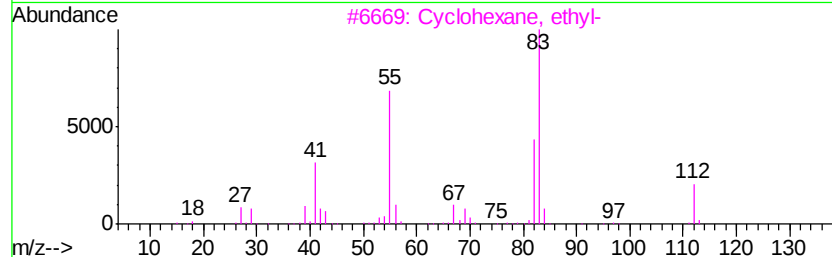
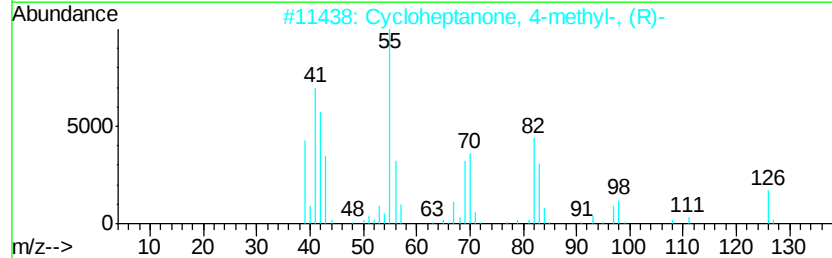
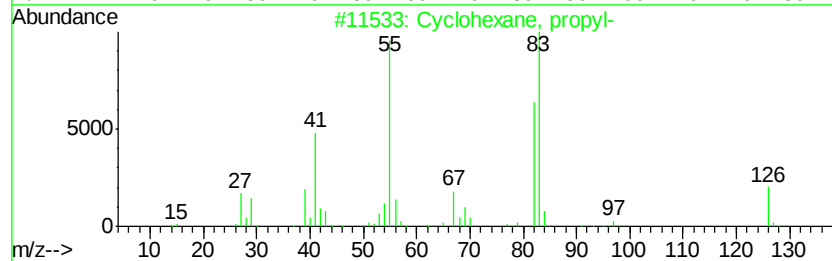
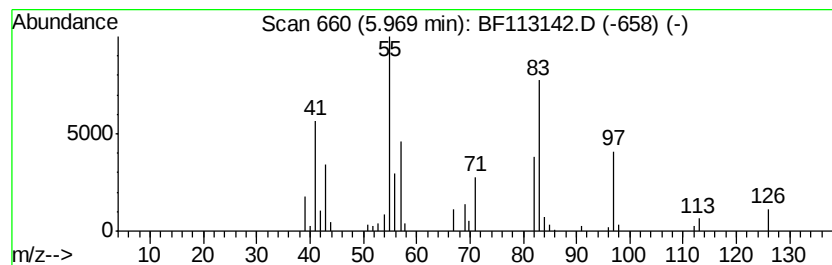
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Cyclohexane, propyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.97	4.32 ng	214604	1,4-Dichlorobenzene-d4	6.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, propyl-	126	C9H18	001678-92-8	70
2		Cycloheptanone, 4-methyl-, (R)-	126	C8H14O	013609-59-1	43
3		Cyclohexane, ethyl-	112	C8H16	001678-91-7	43
4		2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	38
5		1-Butene, 2,3,3-trimethyl-	98	C7H14	000594-56-9	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
Data File : BF113142.D
Acq On : 19 Mar 2019 23:03
Operator : JU/SJ
Sample : K1971-04 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-9(7-8)-031519

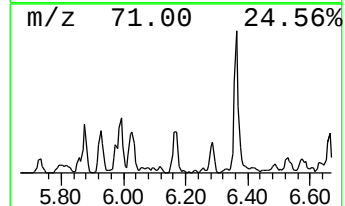
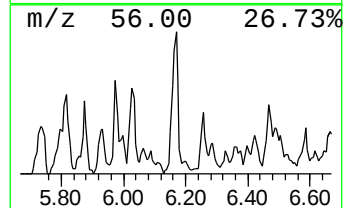
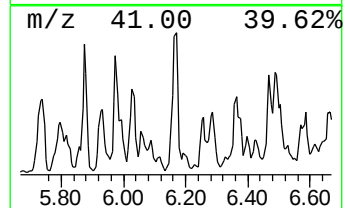
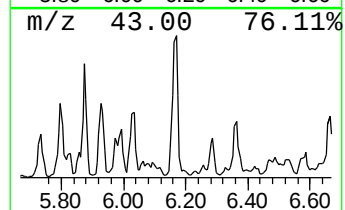
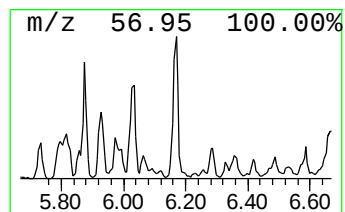
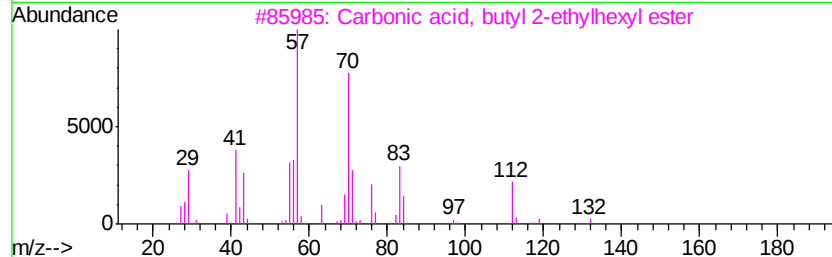
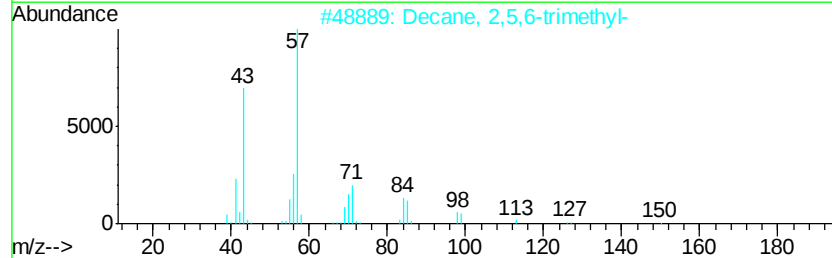
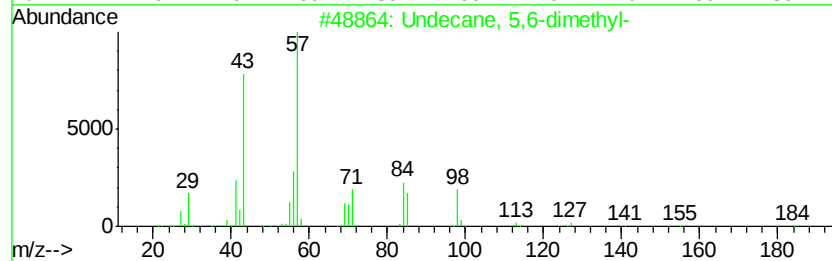
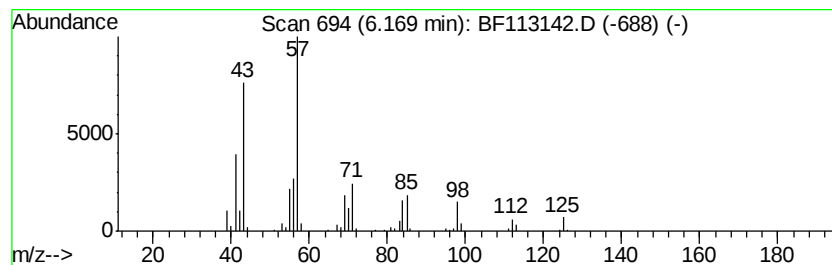
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Undecane, 5,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.17	5.71 ng	283847	1,4-Dichlorobenzene-d4	6.72

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 5,6-dimethyl-	184	C13H28	017615-91-7	64
2			Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	50
3			Carbonic acid, butyl 2-ethylhexy...	230	C13H26O3	1000357-84-4	50
4			Tridecane, 6-methyl-	198	C14H30	013287-21-3	50
5			Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
Data File : BF113142.D
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Operator : JU/SJ
Sample : K1971-04 10X
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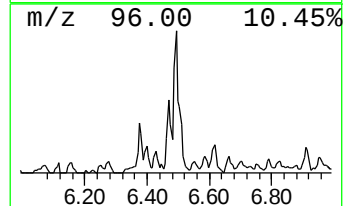
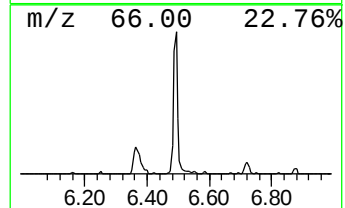
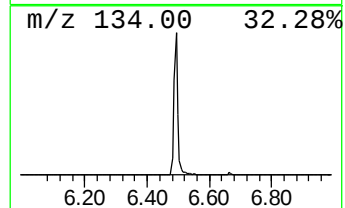
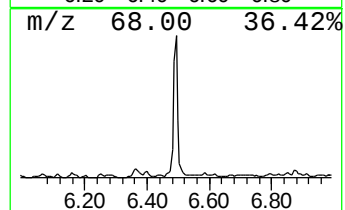
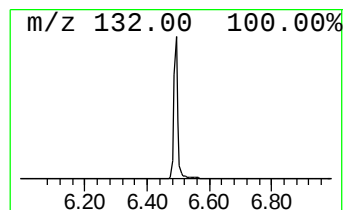
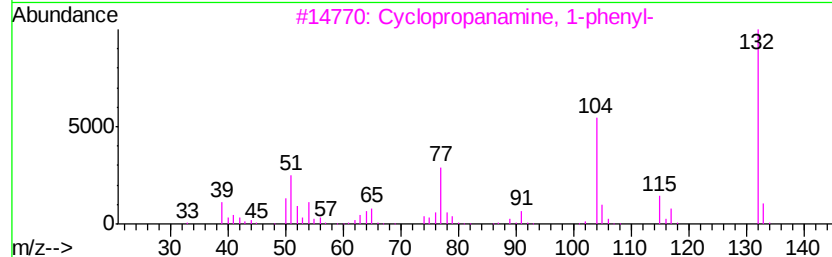
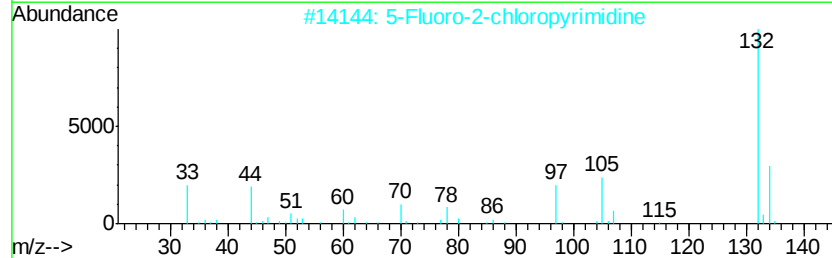
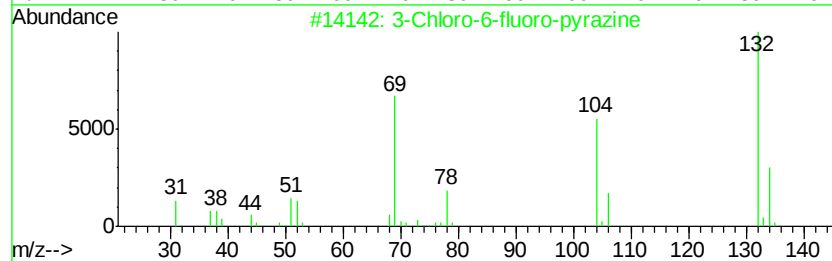
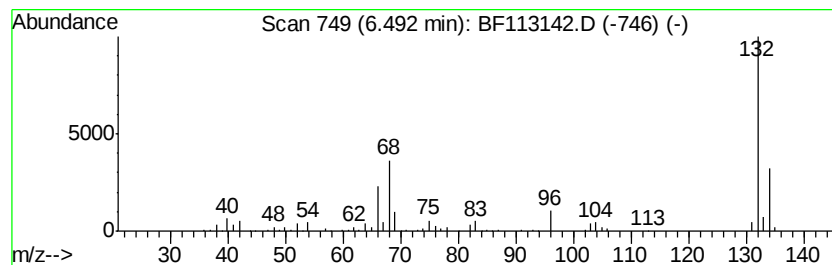
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 unknown6.49 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.49	8.76 ng	435367	1,4-Dichlorobenzene-d4	6.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
3		Cyclopropanamine, 1-phenyl-	133	C9H11N	1000351-26-2	9
4		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9
5		1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
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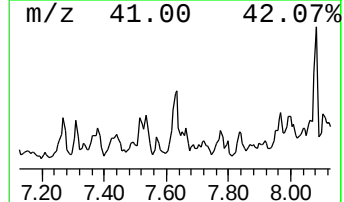
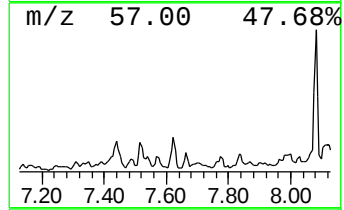
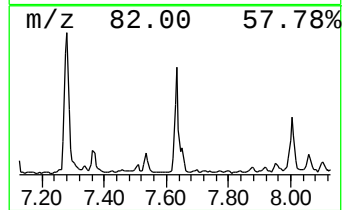
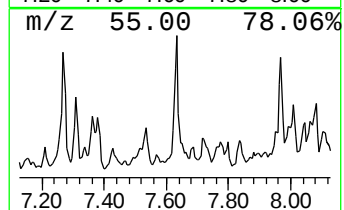
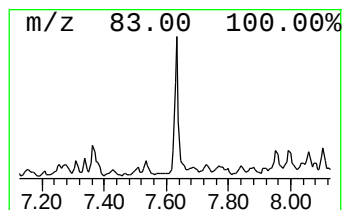
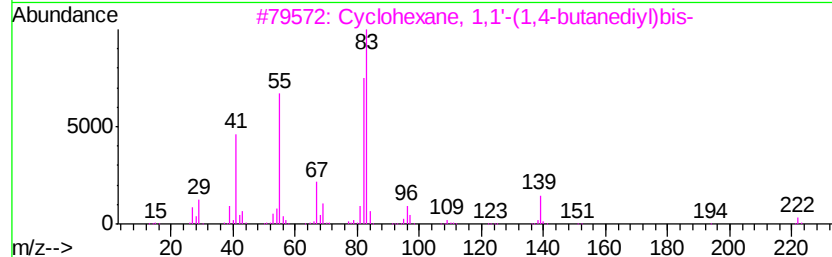
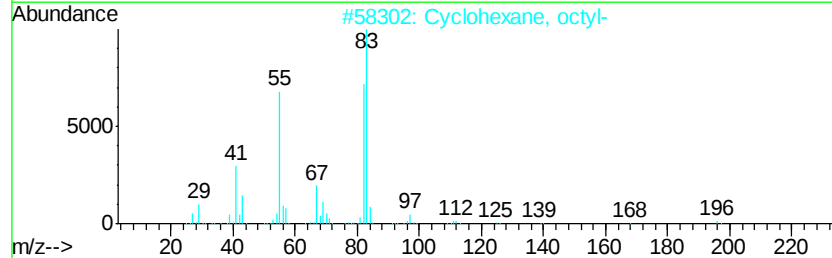
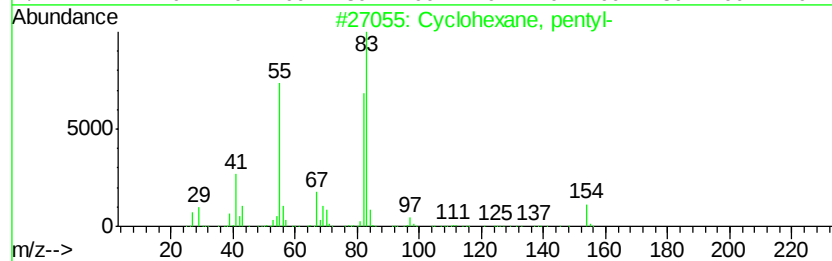
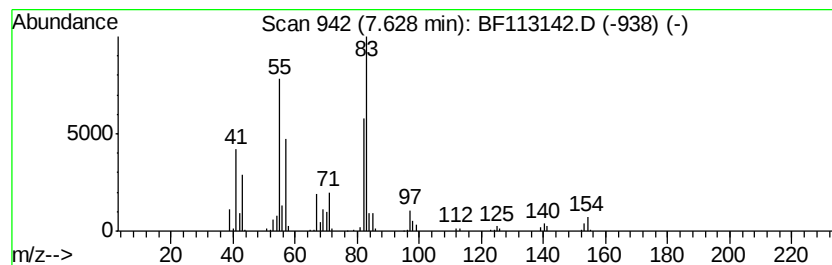
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Cyclohexane, pentyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.63	5.01 ng	342965	Naphthalene-d8	8.00

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, pentyl-	154	C11H22	004292-92-6	94
2			Cyclohexane, octyl-	196	C14H28	001795-15-9	86
3			Cyclohexane, 1,1'-(1,4-butanediyl)...	222	C16H30	006165-44-2	78
4			3-Cyclohexyl-1-chloropropane	160	C9H17Cl	001124-62-5	72
5			Cyclohexane, butyl-	140	C10H20	001678-93-9	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
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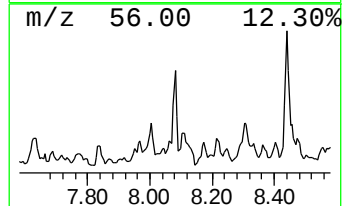
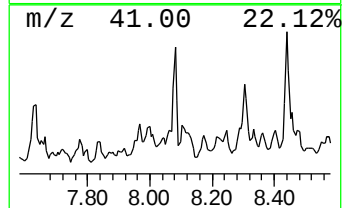
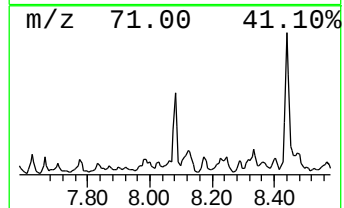
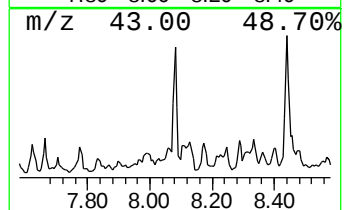
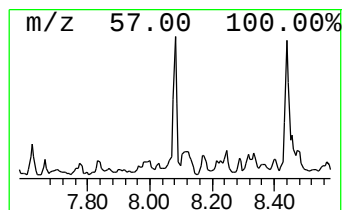
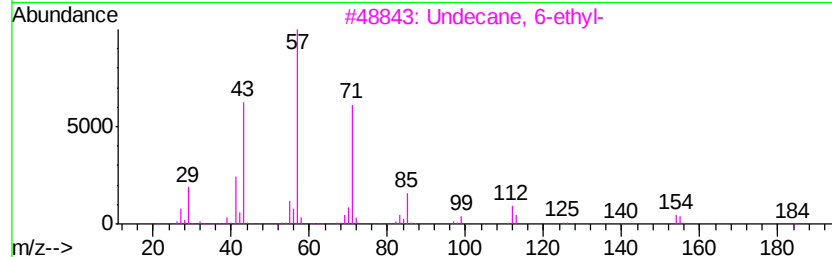
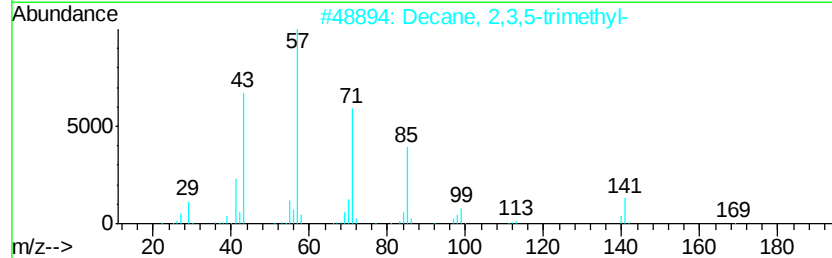
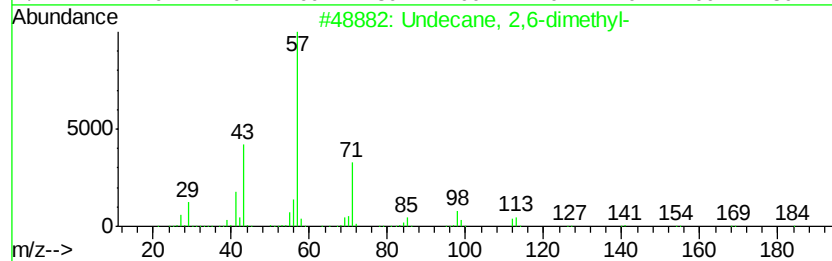
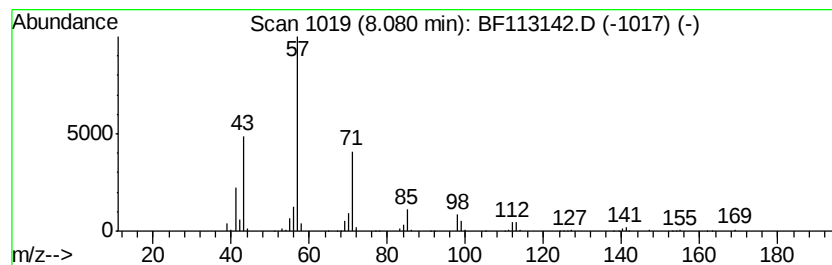
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Undecane, 2,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.08	5.85 ng	400046	Napthalene-d8	8.00

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	86	
2	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	72	
3	Undecane, 6-ethyl-	184	C13H28	017312-60-6	72	
4	Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	72	
5	Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	64	



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
Data File : BF113142.D
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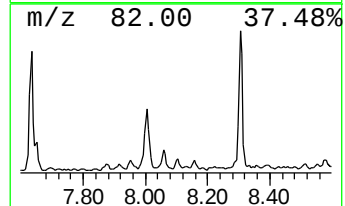
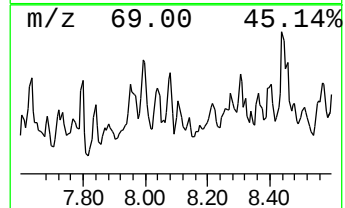
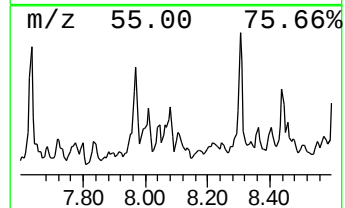
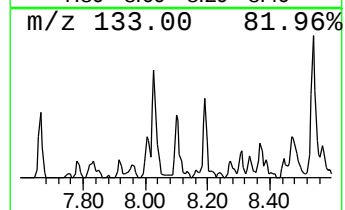
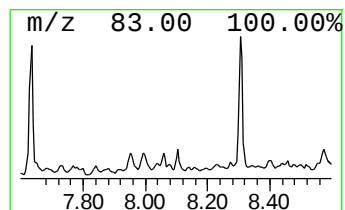
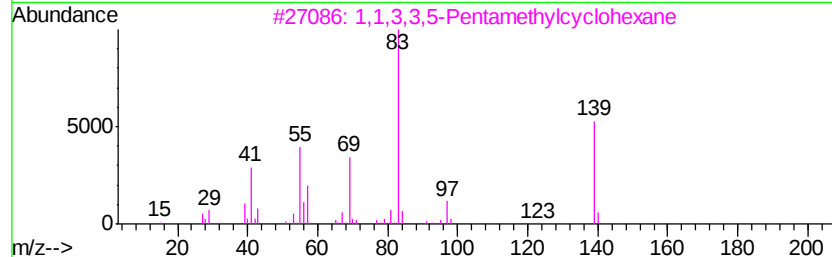
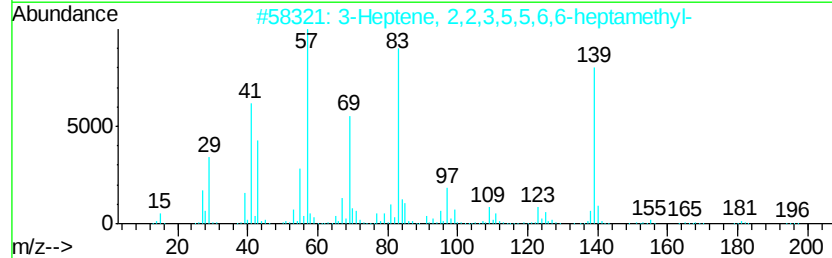
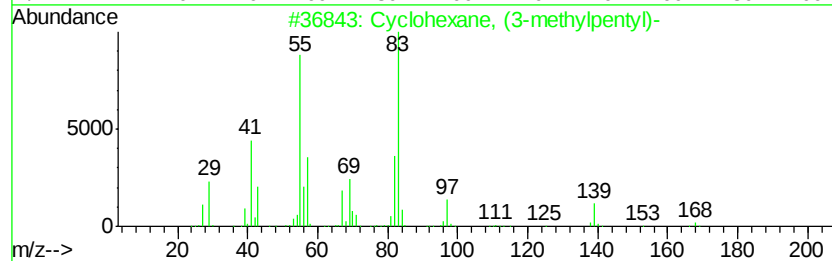
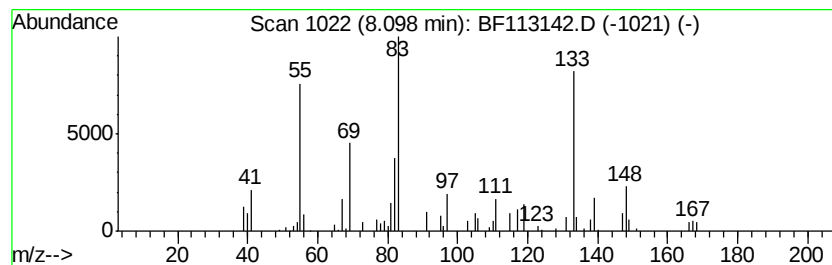
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 unknown8.10 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.10	5.16 ng	353025	Naphthalene-d8	8.00

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, (3-methylpentyl)-	168	C12H24	061142-38-9	43
2			3-Heptene, 2,2,3,5,5,6,6-heptame...	196	C14H28	054845-26-0	43
3			1,1,3,3,5-Pentamethylcyclohexane	154	C11H22	070810-19-4	38
4			Cyclohexane, 1,5-diethyl-2,3-dim...	168	C12H24	074663-66-4	38
5			t-butylsulfinate, -0-menthyl-	260	C14H28O2S	1000151-39-9	35



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
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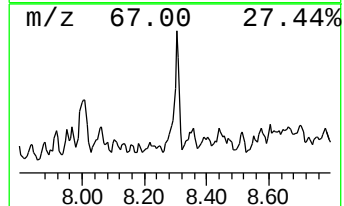
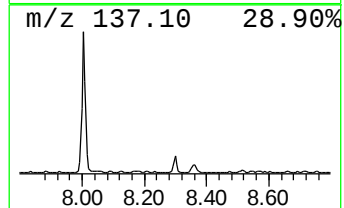
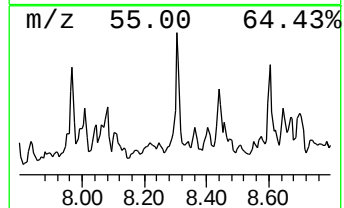
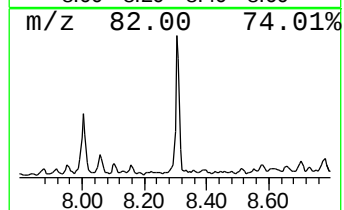
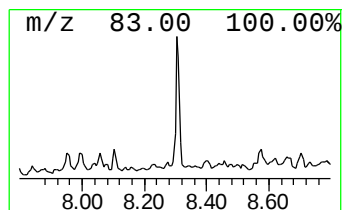
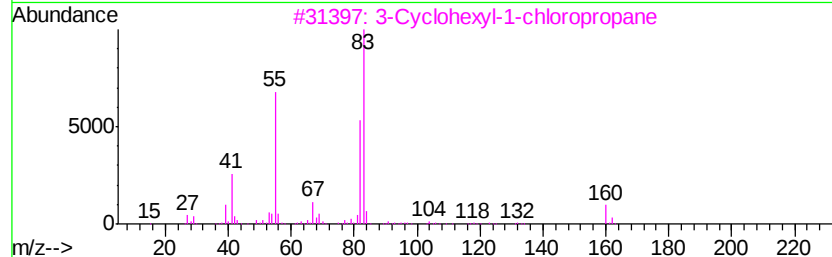
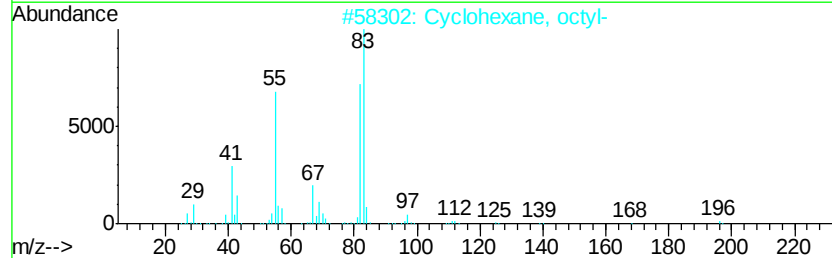
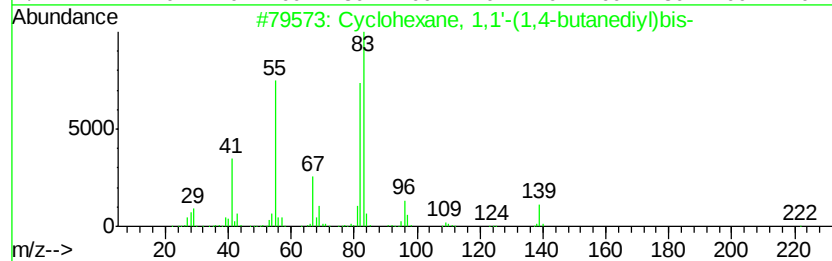
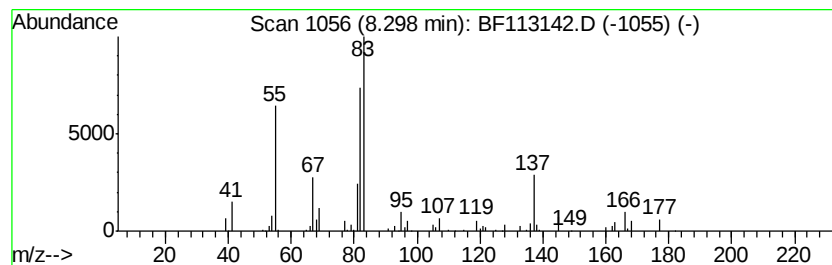
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Cyclohexane, 1,1'-(1,4-buta... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.		
8.30	4.33 ng	296413	Napthalene-d8	8.00		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,1'-(1,4-butanediyl)-	222	C16H30	006165-44-2	78
2		Cyclohexane, octyl-	196	C14H28	001795-15-9	78
3		3-Cyclohexyl-1-chloropropane	160	C9H17Cl	001124-62-5	78
4		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	78
5		Cyclohexane, pentyl-	154	C11H22	004292-92-6	78



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
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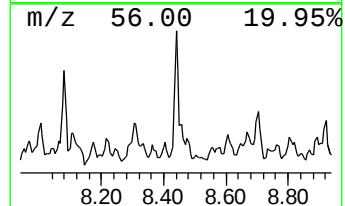
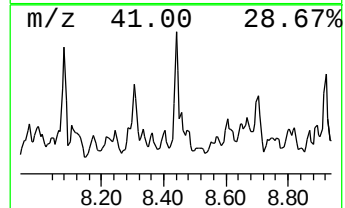
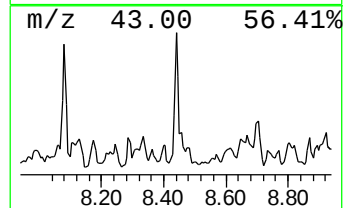
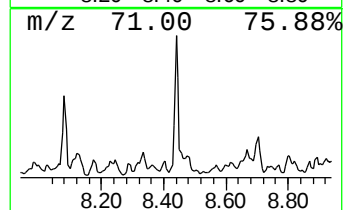
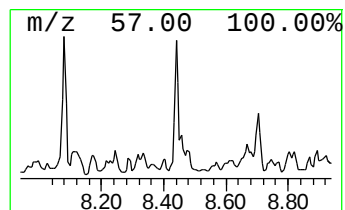
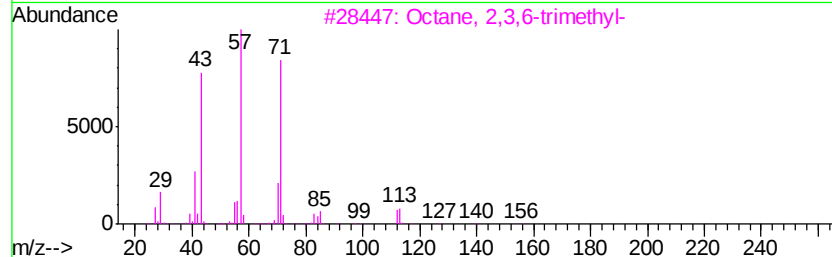
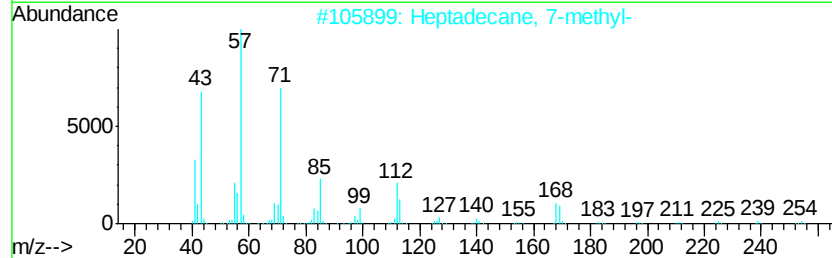
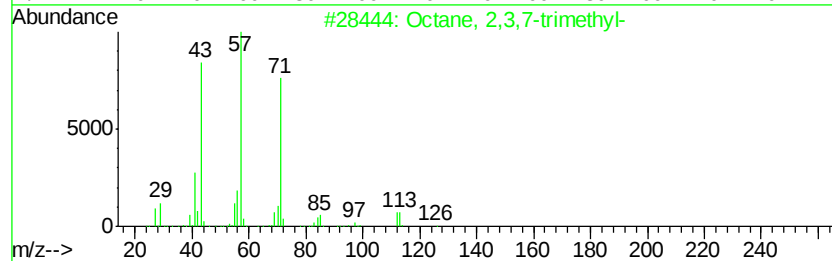
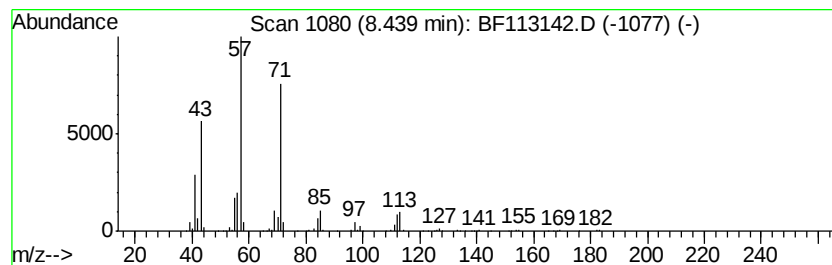
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Octane, 2,3,7-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.44	9.59 ng	655975	Napthalene-d8	8.00

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	78
2			Heptadecane, 7-methyl-	254	C18H38	020959-33-5	78
3			Octane, 2,3,6-trimethyl-	156	C11H24	062016-33-5	72
4			Oxalic acid, butyl 2-ethylhexyl ...	258	C14H26O4	1000309-38-6	72
5			Sulfurous acid, 2-ethylhexyl pen...	264	C13H28O3S	1000309-18-9	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
Data File : BF113142.D
Acq On : 19 Mar 2019 23:03
Operator : JU/SJ
Sample : K1971-04 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

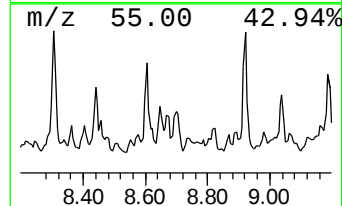
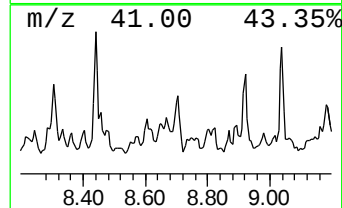
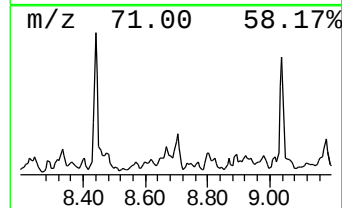
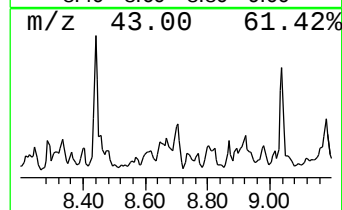
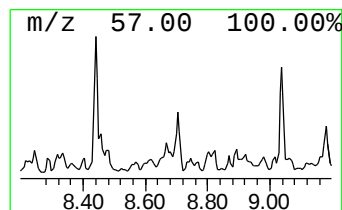
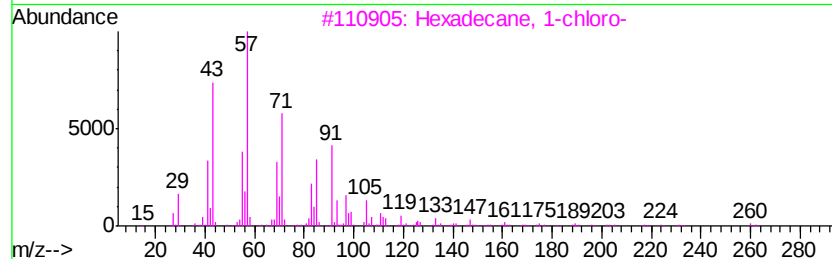
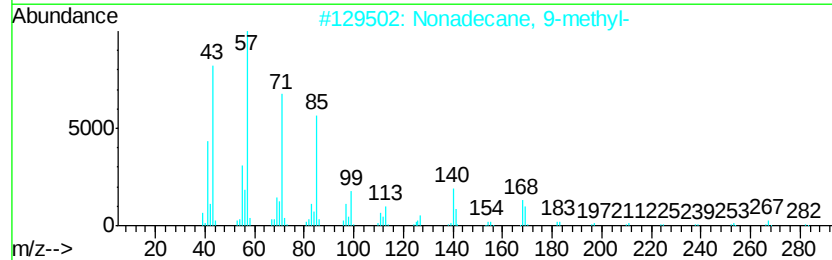
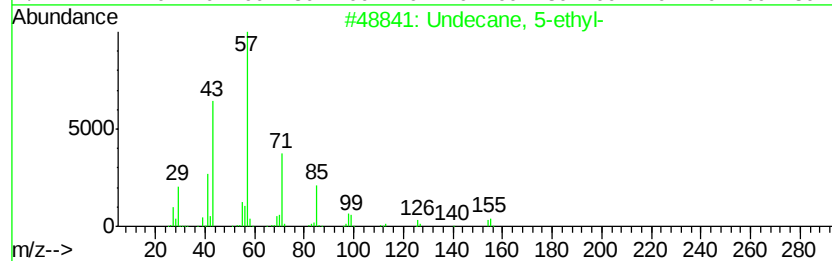
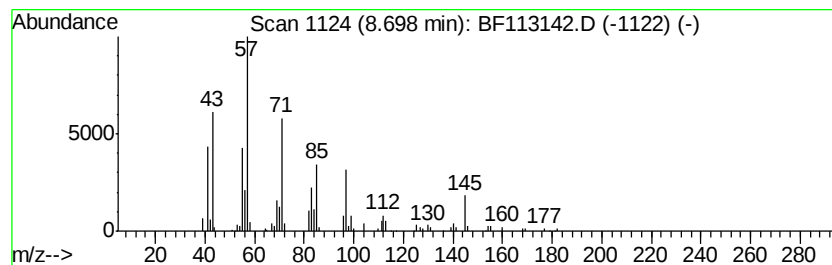
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ClientSampleId :
SB-9(7-8)-031519

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Undecane, 5-ethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
8.70	5.37 ng	367007	Napthalene-d8	8.00	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 5-ethyl-	184	C13H28	017453-94-0	64
2	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	59
3	Hexadecane, 1-chloro-	260	C16H33Cl	004860-03-1	59
4	5-Ethyldecane	170	C12H26	017302-36-2	59
5	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
Data File : BF113142.D
Acq On : 19 Mar 2019 23:03
Operator : JU/SJ
Sample : K1971-04 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-9(7-8)-031519

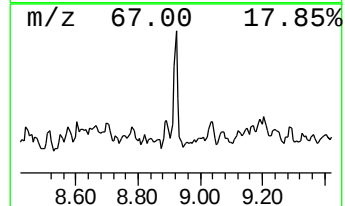
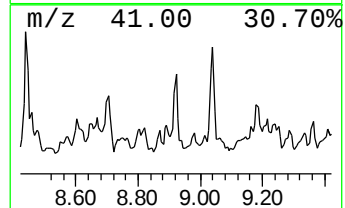
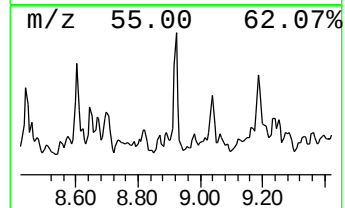
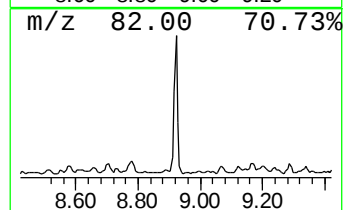
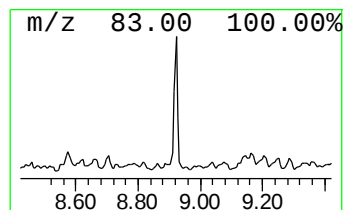
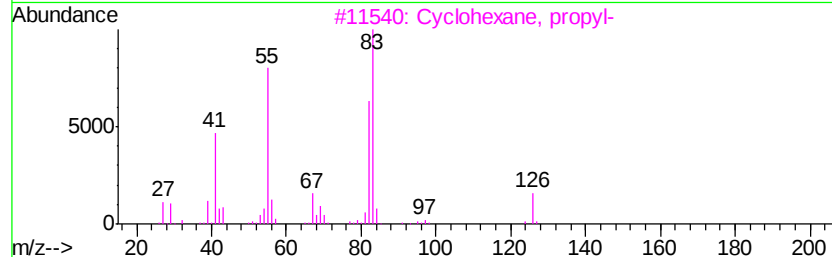
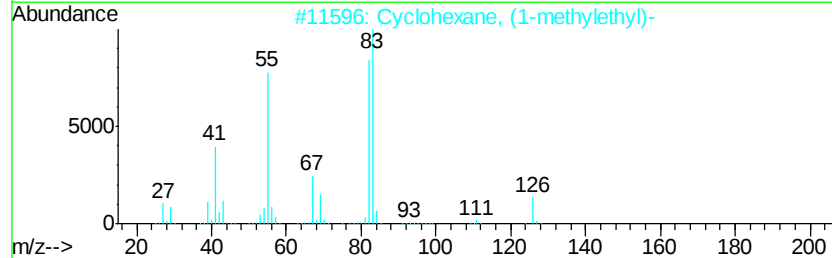
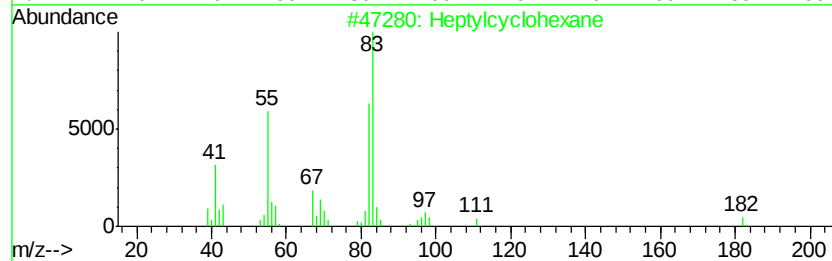
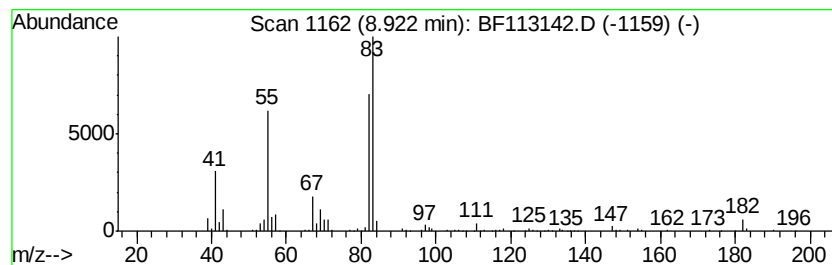
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Heptylcyclohexane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.92	4.55 ng	321952	Acenaphthene-d10	9.76

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptylcyclohexane	182	C13H26	005617-41-4	83
2			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	78
3			Cyclohexane, propyl-	126	C9H18	001678-92-8	72
4			Cyclohexane, ethyl-	112	C8H16	001678-91-7	59
5			Cyclohexane, pentyl-	154	C11H22	004292-92-6	52



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
Data File : BF113142.D
Acq On : 19 Mar 2019 23:03
Operator : JU/SJ
Sample : K1971-04 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

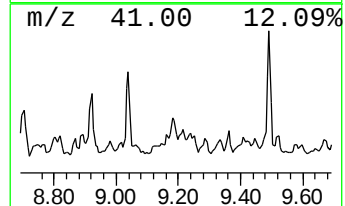
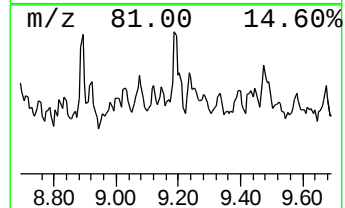
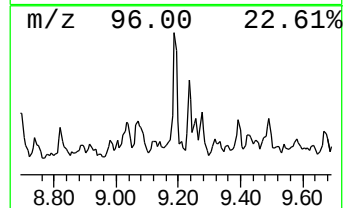
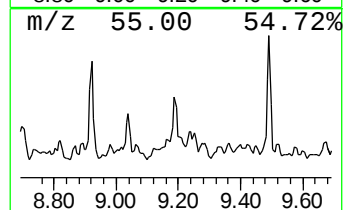
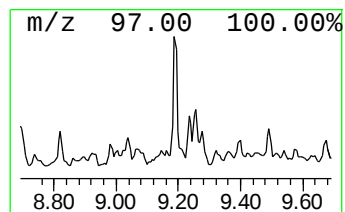
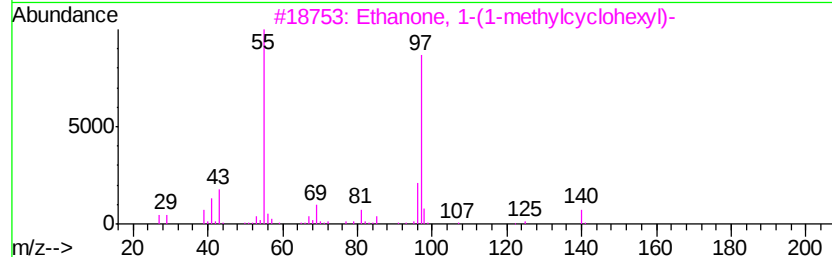
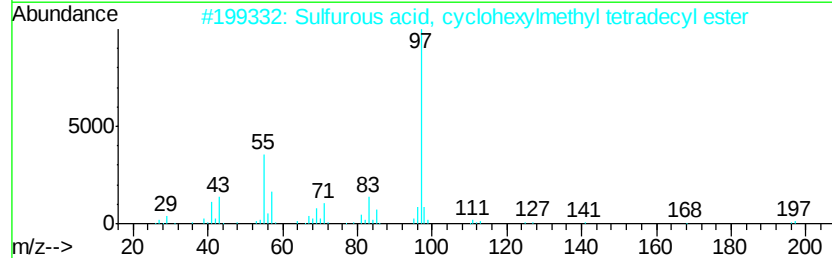
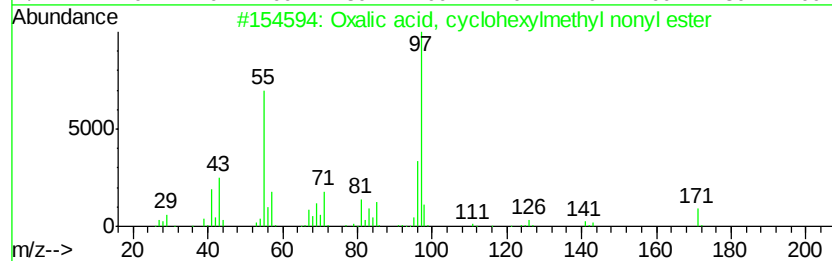
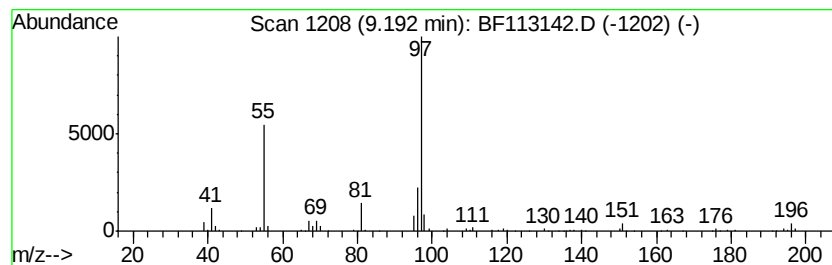
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ClientSampleId :
SB-9(7-8)-031519

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Oxalic acid, cyclohexylmeth... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.		
9.19	5.61 ng	397067	Acenaphthene-d10	9.76		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Oxalic acid, cyclohexylmethyl no...	312	C18H32O4	1000309-68-6	74
2		Sulfurous acid, cyclohexylmethyl...	374	C21H42O3S	1000309-22-2	64
3		Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	59
4		Cyclopentane, 1,1'-ethylidenebis-	166	C12H22	004413-21-2	53
5		Sulfurous acid, butyl cyclohexyl...	234	C11H22O3S	1000309-21-4	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
Data File : BF113142.D
Acq On : 19 Mar 2019 23:03
Operator : JU/SJ
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Instrument :
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ClientSampleId :
SB-9(7-8)-031519

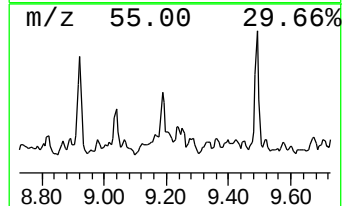
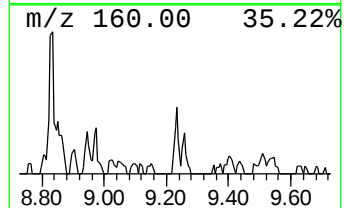
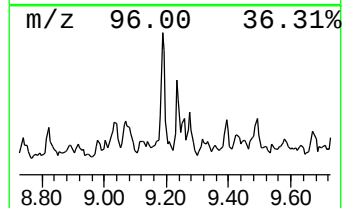
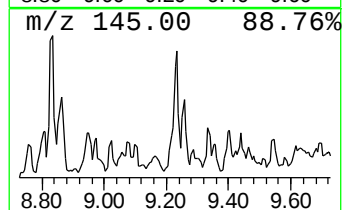
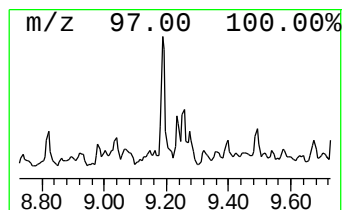
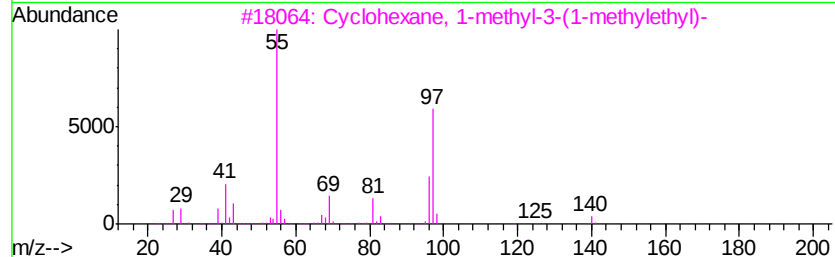
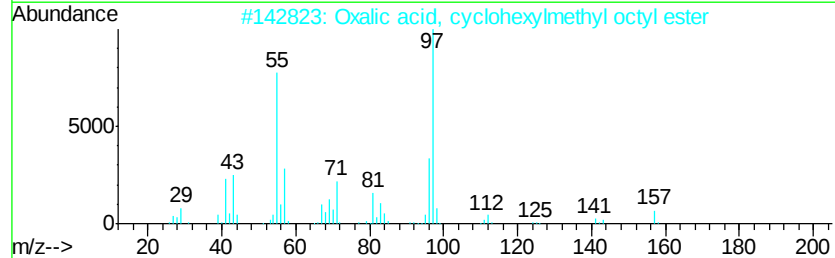
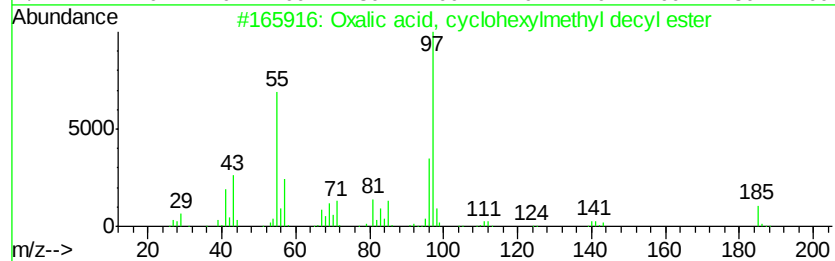
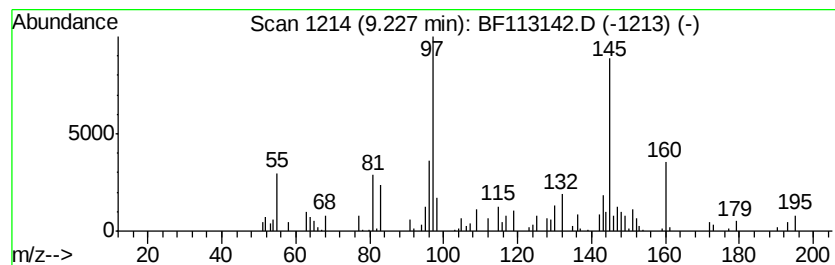
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Oxalic acid, cyclohexylmeth... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.23	3.65 ng	258132	Acenaphthene-d10	9.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Oxalic acid, cyclohexylmethyl de...	326	C19H34O4	1000309-68-7	53
2		Oxalic acid, cyclohexylmethyl oc...	298	C17H30O4	1000309-68-4	53
3		Cyclohexane, 1-methyl-3-(1-methy...	140	C10H20	016580-24-8	50
4		m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	50
5		Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
Data File : BF113142.D
Acq On : 19 Mar 2019 23:03
Operator : JU/SJ
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Misc :
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Instrument :
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ClientSampleId :
SB-9(7-8)-031519

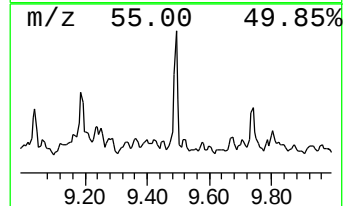
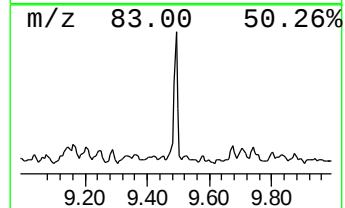
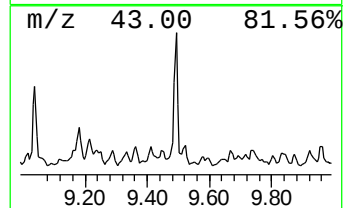
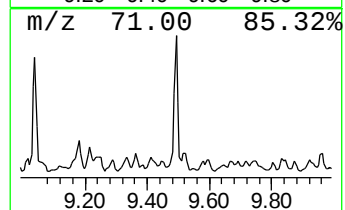
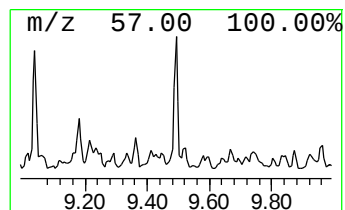
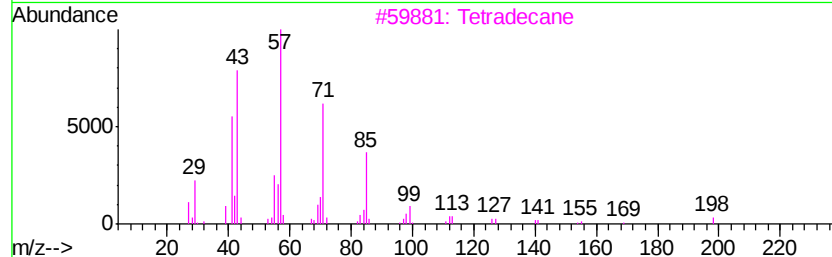
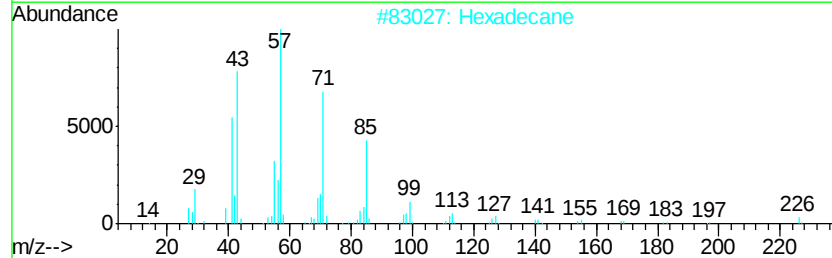
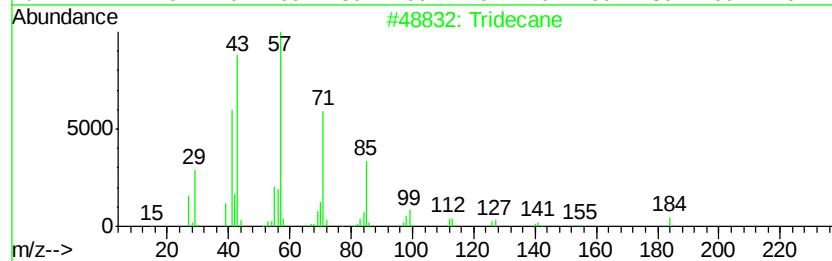
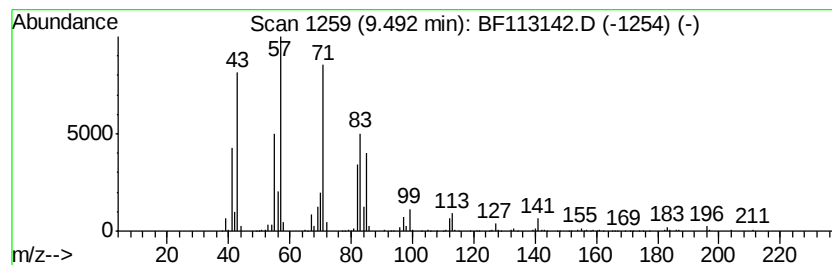
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Tridecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.49	12.19 ng	861901	Acenaphthene-d10	9.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane	184	C13H28	000629-50-5	76
2		Hexadecane	226	C16H34	000544-76-3	68
3		Tetradecane	198	C14H30	000629-59-4	64
4		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	62
5		Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	60



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
Data File : BF113142.D
Acq On : 19 Mar 2019 23:03
Operator : JU/SJ
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Misc :
ALS Vial : 21 Sample Multiplier: 1

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ClientSampleId :
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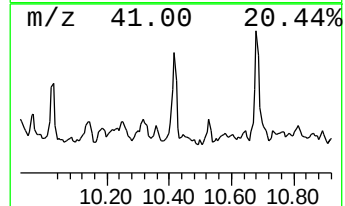
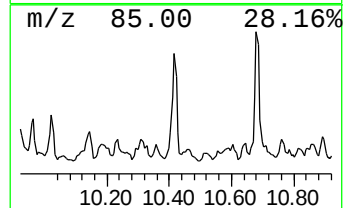
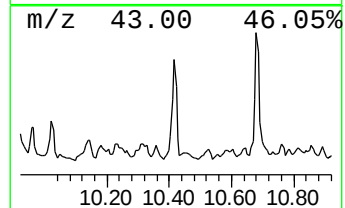
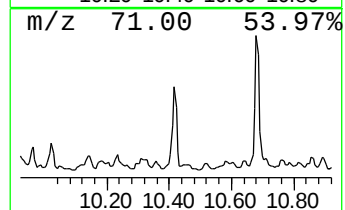
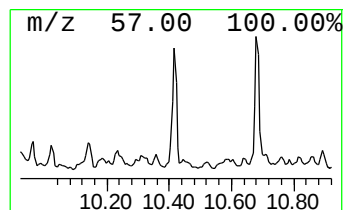
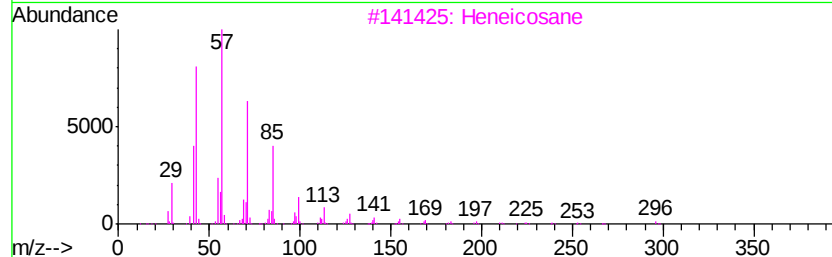
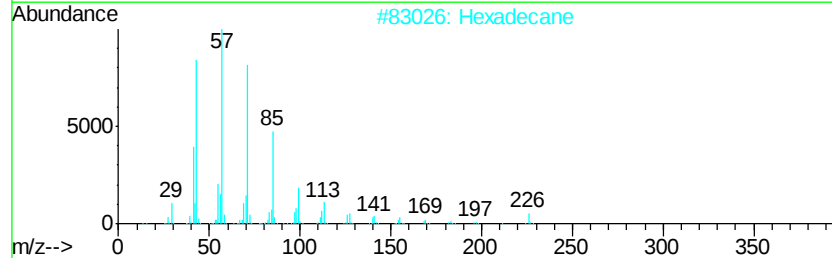
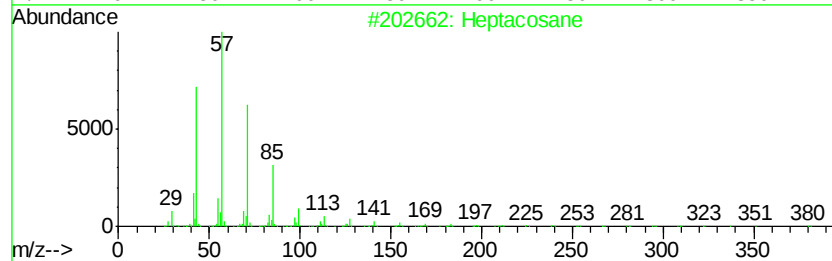
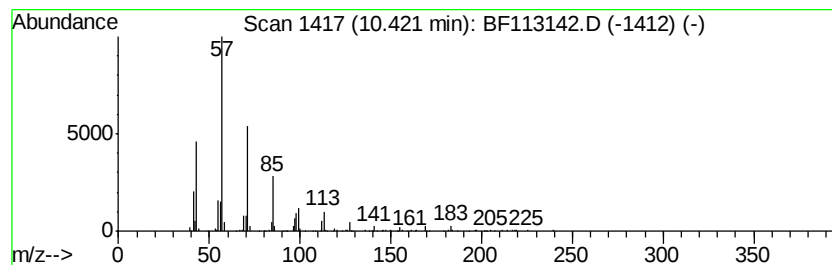
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Heptacosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.42	5.76 ng	407543	Acenaphthene-d10	9.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptacosane	380	C27H56	000593-49-7	86
2		Hexadecane	226	C16H34	000544-76-3	80
3		Heneicosane	296	C21H44	000629-94-7	72
4		Octacosane	394	C28H58	000630-02-4	72
5		Tridecane	184	C13H28	000629-50-5	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
Data File : BF113142.D
Acq On : 19 Mar 2019 23:03
Operator : JU/SJ
Sample : K1971-04 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

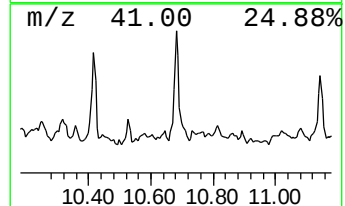
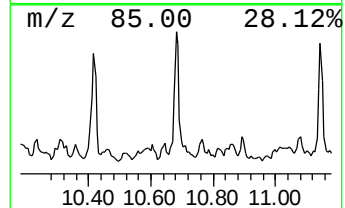
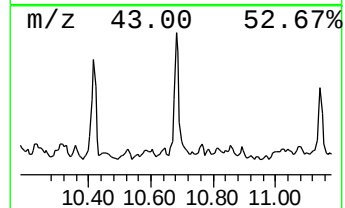
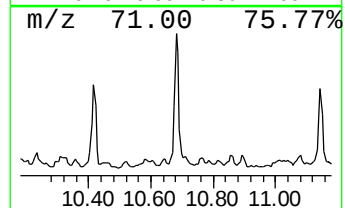
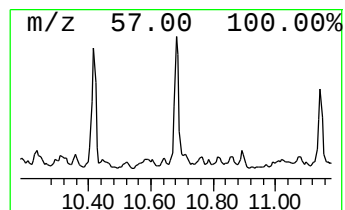
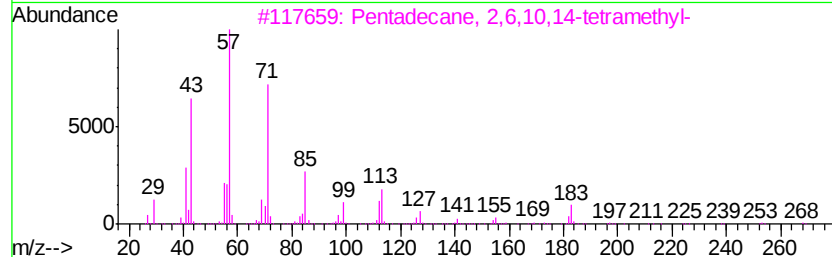
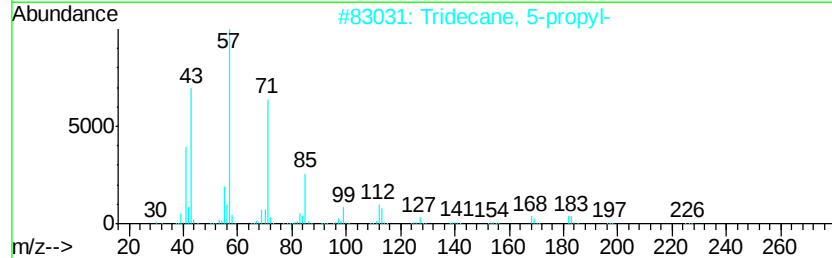
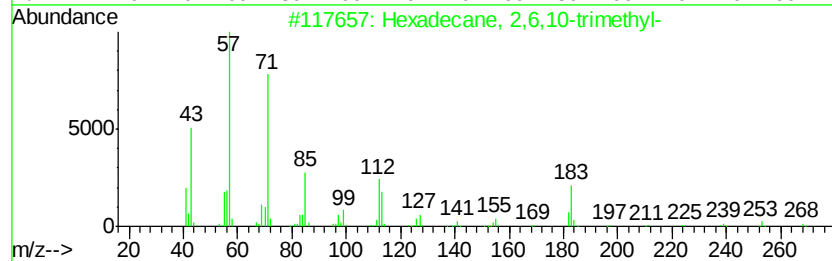
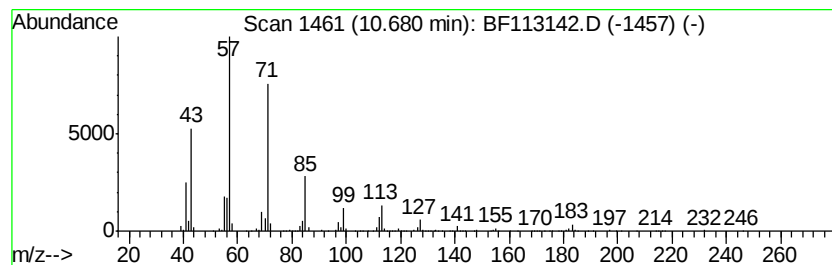
Instrument :
BNA_F
ClientSampleId :
SB-9(7-8)-031519

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Hexadecane, 2,6,10-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.68	11.31 ng	604981	Phenanthrene-d10	11.23	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10-trimethyl-	268	C19H40	055000-52-7	90
2	Tridecane, 5-propyl-	226	C16H34	055045-11-9	90
3	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	87
4	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	86
5	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	78



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
Data File : BF113142.D
Acq On : 19 Mar 2019 23:03
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Sample : K1971-04 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

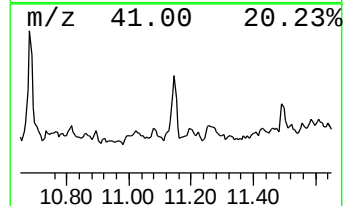
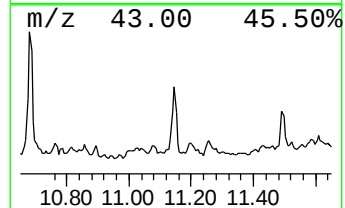
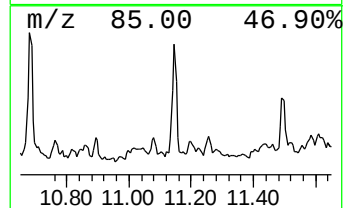
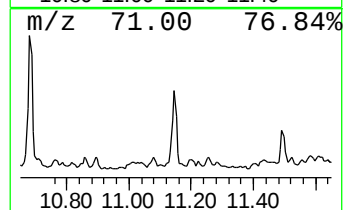
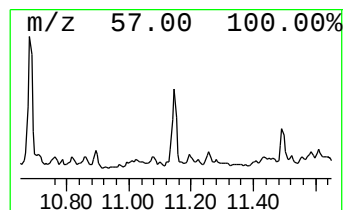
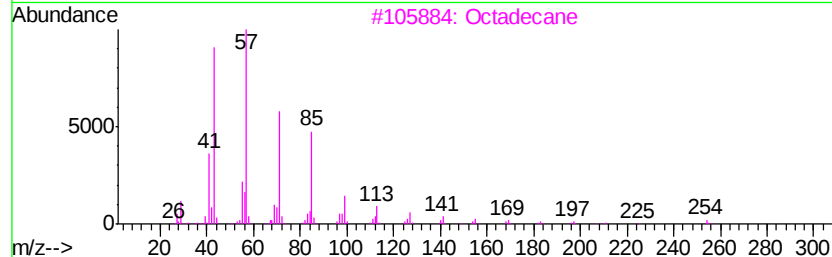
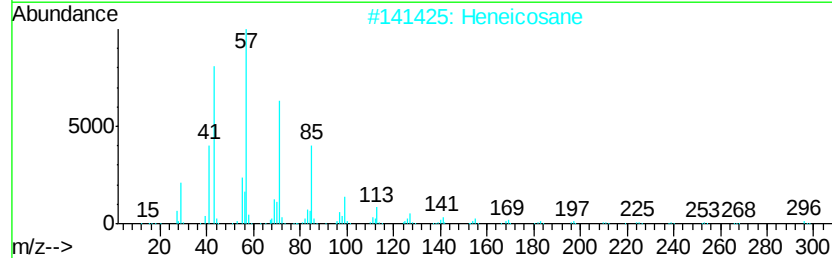
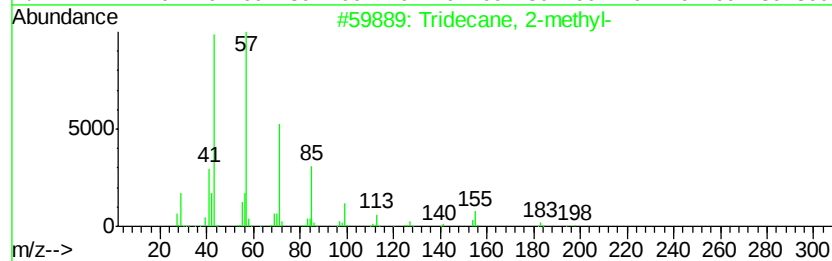
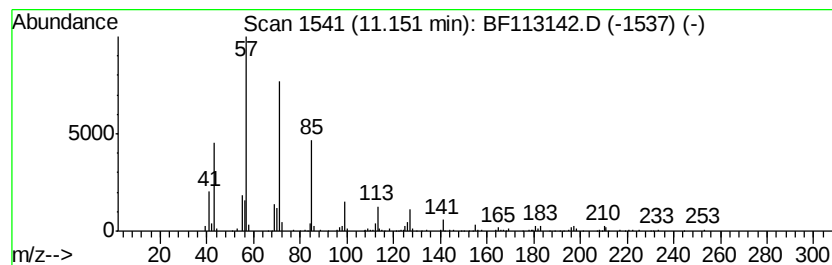
Instrument :
BNA_F
ClientSampleId :
SB-9(7-8)-031519

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Tridecane, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.15	6.04 ng	323123	Phenanthrene-d10	11.23	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 2-methyl-	198	C14H30	001560-96-9	90
2	Heneicosane	296	C21H44	000629-94-7	90
3	Octadecane	254	C18H38	000593-45-3	90
4	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	90
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
Data File : BF113142.D
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Sample : K1971-04 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

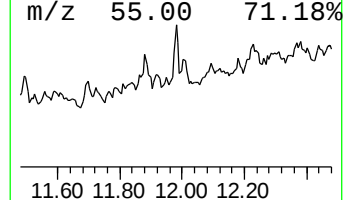
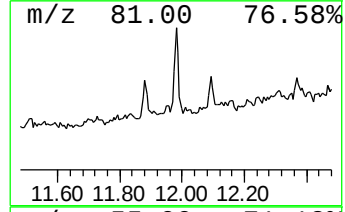
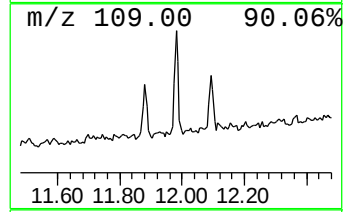
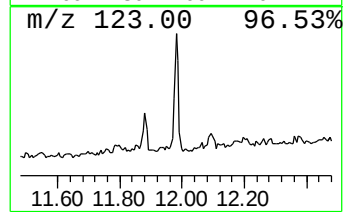
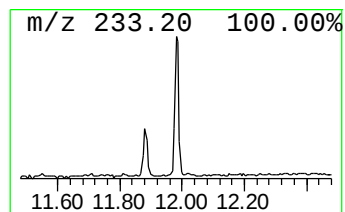
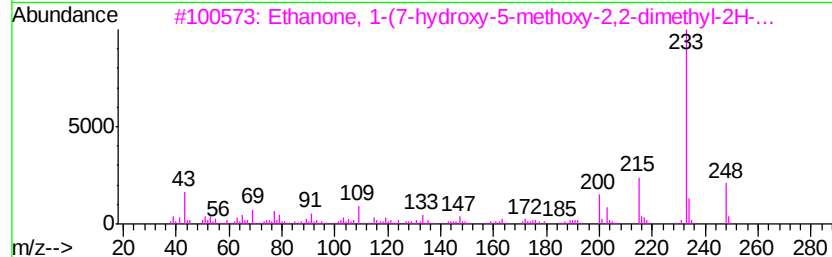
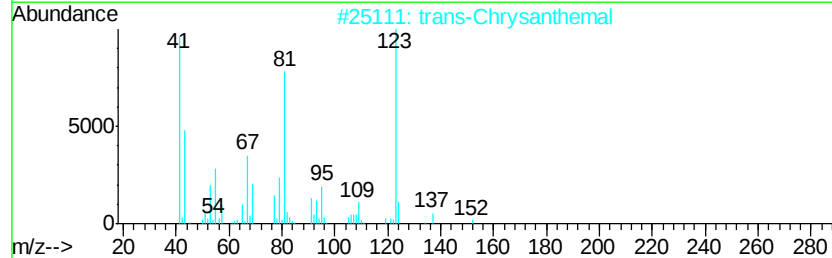
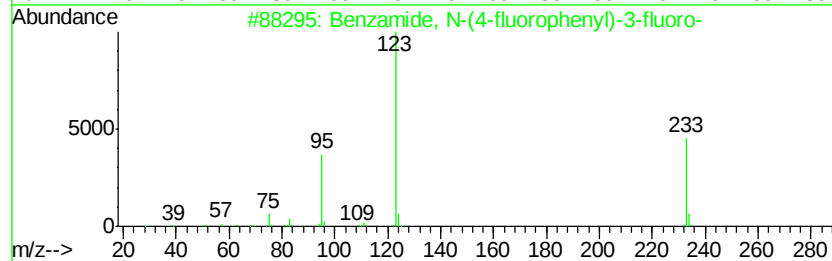
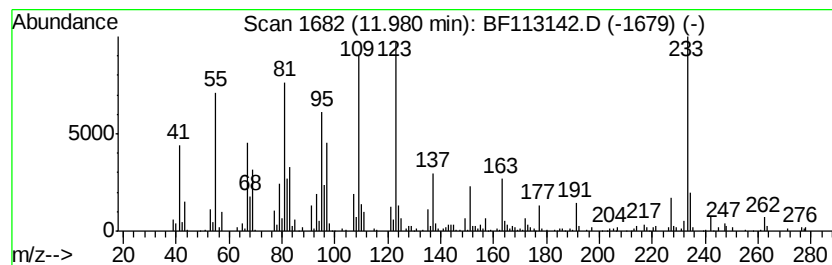
Instrument :
BNA_F
ClientSampleId :
SB-9(7-8)-031519

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 unknown11.98 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.98	4.25 ng	227341	Phenanthrene-d10	11.23	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzamide, N-(4-fluorophenyl)-3-...	233	C13H9F2NO	1000307-16-3	35
2	trans-Chrysanthemal	152	C10H16O	020104-05-6	25
3	Ethanone, 1-(7-hydroxy-5-methoxy...	248	C14H16O4	000484-18-4	22
4	3,4,4-Trimethyl-3-(3-oxo-but-1-e...	220	C14H20O2	1000190-30-8	15
5	Cyclopentane, 1,3-dimethyl-2-(1-...	138	C10H18	061142-31-2	15



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 Operator : JU/SJ
 Sample : K1971-04 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-9(7-8)-031519

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Cyclohexane, 1-et...	5.74	4.0	ng	199048	1	6.72	994309	20.0
unknown5.87	5.87	4.5	ng	221419	1	6.72	994309	20.0
Cyclohexane, propyl-	5.97	4.3	ng	214604	1	6.72	994309	20.0
Undecane, 5,6-dim...	6.17	5.7	ng	283847	1	6.72	994309	20.0
unknown6.49	6.49	8.8	ng	435367	1	6.72	994309	20.0
Cyclohexane, pentyl-	7.63	5.0	ng	342965	2	8.00	1367950	20.0
Undecane, 2,6-dim...	8.08	5.8	ng	400046	2	8.00	1367950	20.0
unknown8.10	8.10	5.2	ng	353025	2	8.00	1367950	20.0
Cyclohexane, 1,1'...	8.30	4.3	ng	296413	2	8.00	1367950	20.0
Octane, 2,3,7-tri...	8.44	9.6	ng	655975	2	8.00	1367950	20.0
Undecane, 5-ethyl-	8.70	5.4	ng	367007	2	8.00	1367950	20.0
Heptylcyclohexane	8.92	4.5	ng	321952	3	9.76	1414500	20.0
Oxalic acid, cycl...	9.19	5.6	ng	397067	3	9.76	1414500	20.0
Oxalic acid, cycl...	9.23	3.6	ng	258132	3	9.76	1414500	20.0
Tridecane	9.49	12.2	ng	861901	3	9.76	1414500	20.0
Heptacosane	10.42	5.8	ng	407543	3	9.76	1414500	20.0
Hexadecane, 2,6,1...	10.68	11.3	ng	604981	4	11.23	1070160	20.0
Tridecane, 2-methyl-	11.15	6.0	ng	323123	4	11.23	1070160	20.0
unknown11.98	11.98	4.3	ng	227341	4	11.23	1070160	20.0