

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
 Data File : BF095475.D
 Acq On : 26 May 2017 22:51
 Operator : SJ/MA
 Sample : I3240-03 10X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP2-WC7(0-6.5)

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:\HPCHEM1\BNA_F\METHODS\8270-BF050217.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	5.419	586	592	596	rBV	14587	24089	2.37%	0.147%
2	5.584	614	620	621	rBV2	30159	39176	3.85%	0.240%
3	5.607	621	624	635	rVB2	42969	83678	8.22%	0.512%
4	5.807	652	658	663	rBV5	23291	59610	5.86%	0.365%
5	5.972	680	686	690	rBV	22764	39462	3.88%	0.241%
6	6.090	702	706	714	rVB	19571	30389	2.99%	0.186%
7	6.607	791	794	800	rVB2	22210	33504	3.29%	0.205%
8	6.913	839	846	853	rBV2	28927	55956	5.50%	0.342%
9	6.984	853	858	860	rBV	55455	74657	7.33%	0.457%
10	7.019	860	864	868	rVV	89252	120122	11.80%	0.735%
11	7.060	868	871	880	rVB2	63862	98162	9.64%	0.601%
12	7.142	880	885	889	rBV2	102825	152951	15.03%	0.936%
13	7.260	900	905	909	rBV	60635	85819	8.43%	0.525%
14	7.372	921	924	927	rBV2	24660	35116	3.45%	0.215%
15	7.478	938	942	950	rVB	245549	340912	33.49%	2.086%
16	7.537	950	952	961	rVB	44447	63852	6.27%	0.391%
17	7.672	971	975	983	rVB8	16209	37308	3.66%	0.228%
18	7.742	983	987	996	rBV	315975	486879	47.83%	2.979%
19	7.836	1000	1003	1008	rVB	90909	115772	11.37%	0.708%
20	7.984	1022	1028	1030	rBV2	109897	175928	17.28%	1.076%
21	8.013	1030	1033	1044	rVB	83188	137555	13.51%	0.842%
22	8.160	1049	1058	1061	rBV2	57003	85713	8.42%	0.524%
23	8.201	1061	1065	1069	rBV	118468	128702	12.64%	0.787%
24	8.272	1073	1077	1084	rVB2	175052	271997	26.72%	1.664%
25	8.331	1084	1087	1092	rVB2	49949	62474	6.14%	0.382%
26	8.384	1092	1096	1098	rBV	26189	30157	2.96%	0.184%
27	8.407	1098	1100	1106	rVB	31590	39453	3.88%	0.241%
28	8.466	1106	1110	1112	rBV3	17129	21009	2.06%	0.129%
29	8.501	1112	1116	1119	rBV	88869	98915	9.72%	0.605%
30	8.536	1119	1122	1127	rVB	70940	80303	7.89%	0.491%
31	8.607	1131	1134	1137	rBV	158672	199588	19.61%	1.221%
32	8.683	1142	1147	1150	rBV5	15753	27865	2.74%	0.170%
33	8.754	1155	1159	1162	rVV	67559	79940	7.85%	0.489%
34	8.789	1162	1165	1170	rVB3	34708	51992	5.11%	0.318%

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Integrator: RTE

Smoothing : ON

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Stop Thrs : 0

Filtering: 5

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Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

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35	8.836	1170	1173	1179	rBV2	40463	49586	4.87%	0.303%
36	8.919	1184	1187	1194	rVV5	27004	53494	5.26%	0.327%
37	8.978	1194	1197	1201	rVV	139608	180202	17.70%	1.102%
38	9.019	1201	1204	1213	rVV	184179	267273	26.26%	1.635%
39	9.083	1213	1215	1220	rVB4	15770	20794	2.04%	0.127%
40	9.178	1226	1231	1235	rBV2	50409	74784	7.35%	0.458%
41	9.219	1235	1238	1242	rVV2	78672	91066	8.95%	0.557%
42	9.260	1242	1245	1251	rVB2	98297	170786	16.78%	1.045%
43	9.354	1256	1261	1271	rVV3	185234	410451	40.32%	2.511%
44	9.442	1271	1276	1282	rVV3	90030	172803	16.98%	1.057%
45	9.525	1282	1290	1295	rVB5	72696	157991	15.52%	0.967%
46	9.607	1301	1304	1313	rVB	62255	84127	8.26%	0.515%
47	9.760	1326	1330	1340	rBV2	481313	830242	81.56%	5.079%
48	9.836	1340	1343	1345	rVV2	129497	162115	15.93%	0.992%
49	9.860	1345	1347	1352	rVB	126236	145060	14.25%	0.887%
50	9.960	1360	1364	1369	rVB2	105563	132006	12.97%	0.808%
51	10.042	1374	1378	1384	rVB6	32069	59962	5.89%	0.367%
52	10.113	1384	1390	1396	rBV3	64010	110850	10.89%	0.678%
53	10.236	1407	1411	1416	rVB2	74831	93109	9.15%	0.570%
54	10.289	1416	1420	1423	rBV4	27310	50485	4.96%	0.309%
55	10.413	1436	1441	1446	rVB2	77654	128653	12.64%	0.787%
56	10.477	1450	1452	1455	rVV3	29517	33954	3.34%	0.208%
57	10.542	1459	1463	1468	rVV3	100749	150901	14.82%	0.923%
58	10.595	1469	1472	1479	rVB6	35194	58874	5.78%	0.360%
59	10.825	1505	1511	1519	rVB8	48639	115486	11.34%	0.707%
60	10.930	1522	1529	1535	rBV2	112144	194405	19.10%	1.189%
61	11.077	1548	1554	1562	rBV2	83400	162575	15.97%	0.995%
62	11.254	1580	1584	1587	rBV4	12735	21560	2.12%	0.132%
63	11.360	1599	1602	1609	rVB9	14172	23151	2.27%	0.142%
64	11.477	1617	1622	1626	rBV6	20428	36377	3.57%	0.223%
65	11.536	1627	1632	1644	rVB2	130129	251531	24.71%	1.539%
66	11.760	1663	1670	1676	rBV7	22053	48545	4.77%	0.297%
67	11.960	1698	1704	1711	rBV3	32378	82514	8.11%	0.505%
68	12.066	1718	1722	1726	rBV	60257	90099	8.85%	0.551%
69	12.113	1727	1730	1736	rVB2	53655	76220	7.49%	0.466%
70	12.271	1747	1757	1761	rBV4	96100	158592	15.58%	0.970%
71	12.371	1769	1774	1782	rBV6	37277	99890	9.81%	0.611%

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Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
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72	12.442	1782	1786	1792	rVB4	54048	82974	8.15%	0.508%
73	12.595	1807	1812	1817	rBV2	463434	641584	63.03%	3.925%
74	12.642	1817	1820	1828	rVB	76192	151946	14.93%	0.930%
75	12.866	1855	1858	1860	rVB3	20697	21773	2.14%	0.133%
76	12.960	1869	1874	1878	rBV2	47825	99902	9.81%	0.611%
77	13.030	1883	1886	1891	rVB2	68908	82345	8.09%	0.504%
78	13.083	1892	1895	1897	rBV3	19319	22803	2.24%	0.140%
79	13.136	1900	1904	1910	rVB3	83315	122009	11.99%	0.746%
80	13.195	1910	1914	1919	rBV5	46132	67660	6.65%	0.414%
81	13.254	1921	1924	1926	rBV2	29065	37551	3.69%	0.230%
82	13.430	1950	1954	1958	rBV7	30066	53942	5.30%	0.330%
83	13.495	1962	1965	1972	rVB	99450	166955	16.40%	1.021%
84	13.583	1977	1980	1986	rVB5	39123	62317	6.12%	0.381%
85	13.789	2008	2015	2019	rBV	190574	319363	31.37%	1.954%
86	13.924	2034	2038	2045	rBV8	58295	105158	10.33%	0.643%
87	14.224	2084	2089	2094	rBV	392324	551039	54.13%	3.371%
88	14.618	2153	2156	2160	rBV4	59443	89940	8.84%	0.550%
89	15.001	2213	2221	2224	rBV2	384856	864172	84.89%	5.287%
90	15.036	2224	2227	2236	rVV	562452	789284	77.54%	4.829%
91	15.124	2239	2242	2252	rVB2	122744	246887	24.25%	1.510%
92	15.524	2307	2310	2322	rVB4	153612	289562	28.45%	1.771%
93	15.789	2352	2355	2358	rBV3	109857	143676	14.11%	0.879%
94	15.824	2358	2361	2369	rVB2	141920	229195	22.52%	1.402%
95	15.936	2377	2380	2383	rBV2	143171	204012	20.04%	1.248%
96	16.589	2487	2491	2494	rBV2	247845	358476	35.22%	2.193%
97	16.789	2521	2525	2533	rBV	748976	1004018	98.63%	6.142%
98	17.089	2573	2576	2586	rVB	699289	1017955	100.00%	6.228%

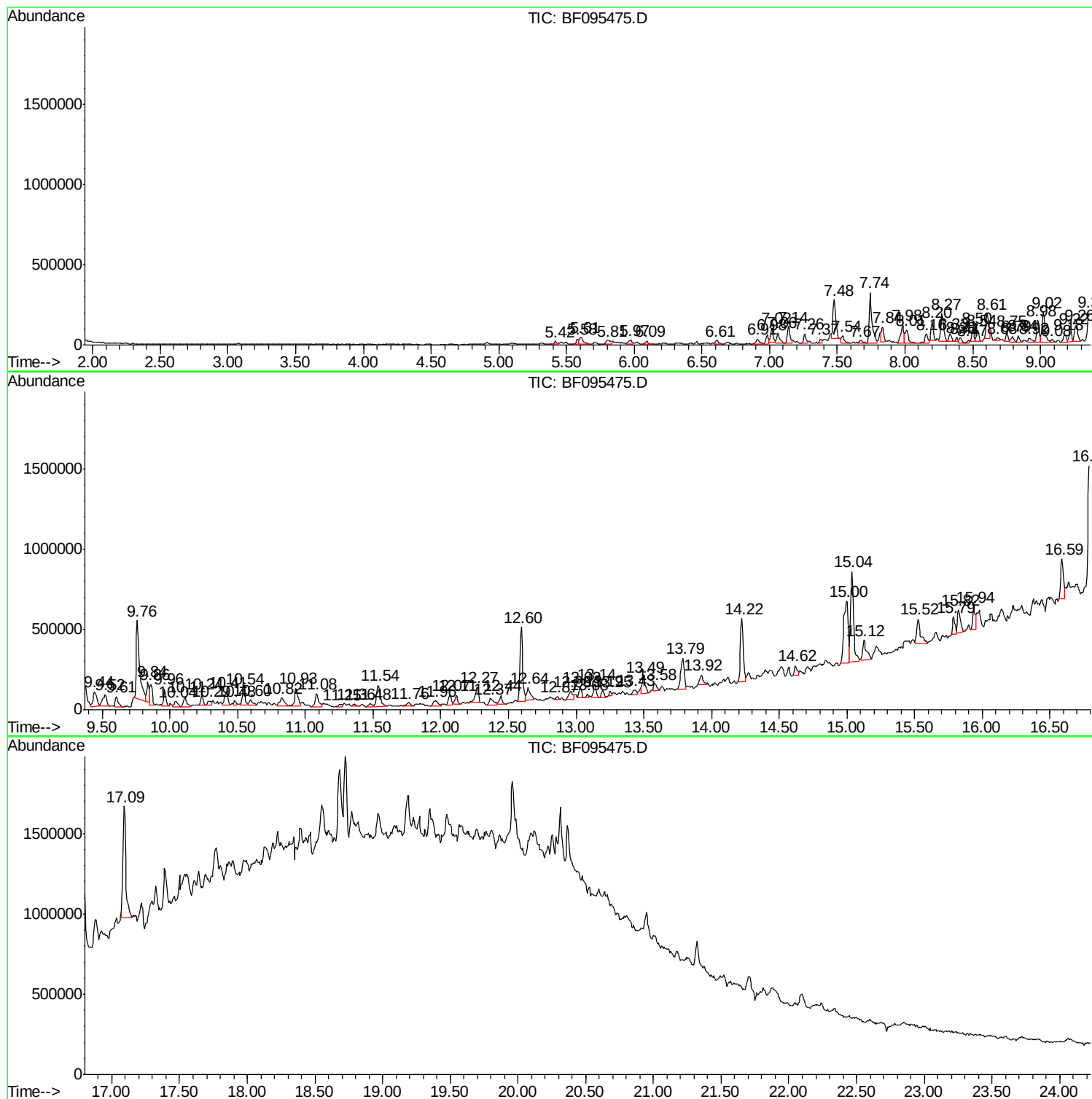
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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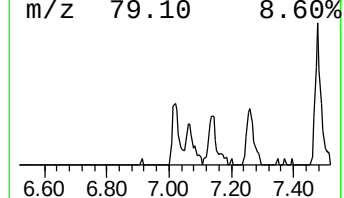
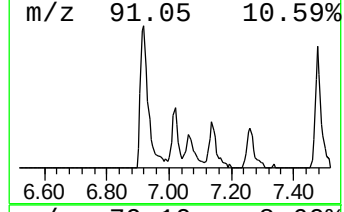
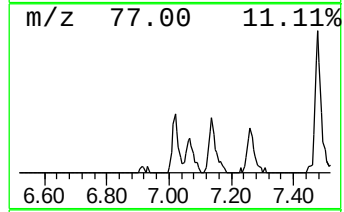
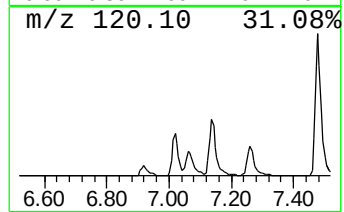
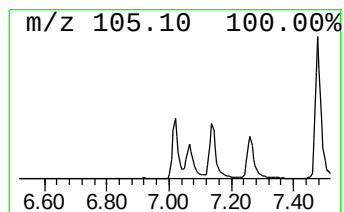
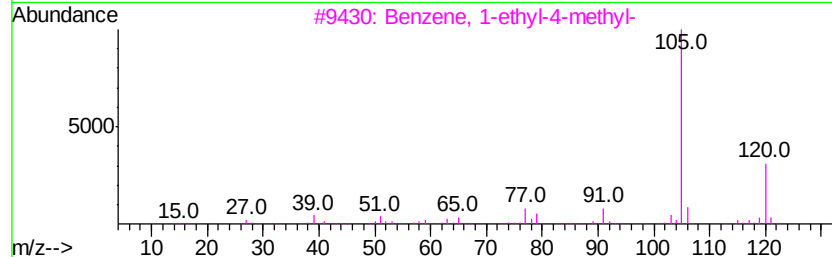
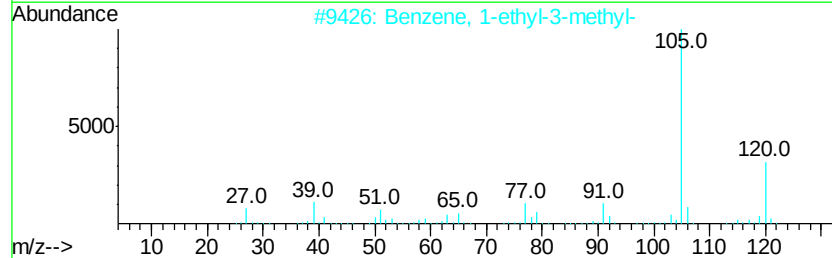
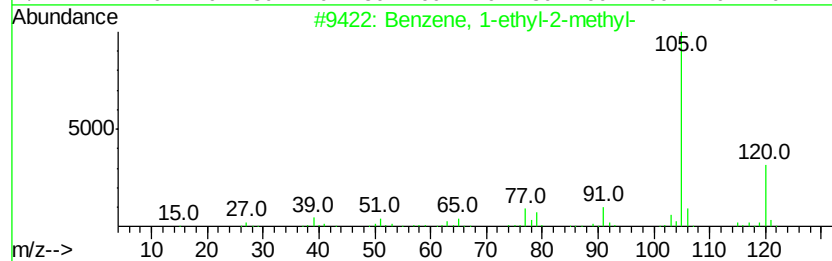
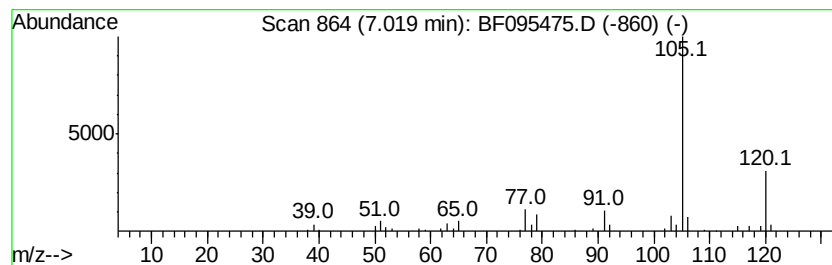
Instrument :
BNA_F
ClientSampleId :
EP2-WC7(0-6.5)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Benzene, 1-ethyl-2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
7.02	4.93 ng	120122	1,4-Dichlorobenzene-d4	7.74	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
5	Mesitylene	120	C9H12	000108-67-8	90



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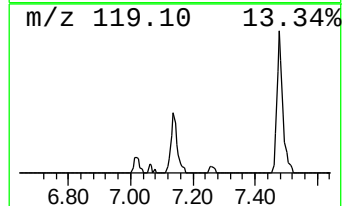
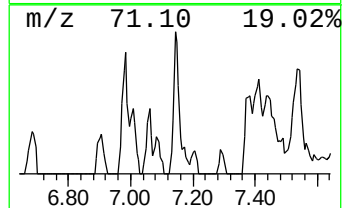
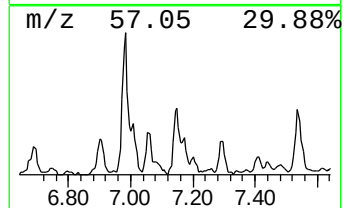
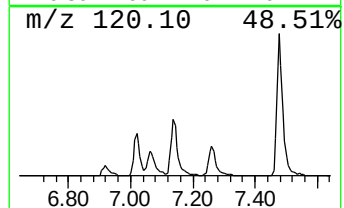
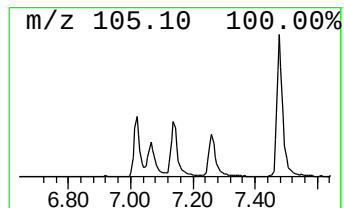
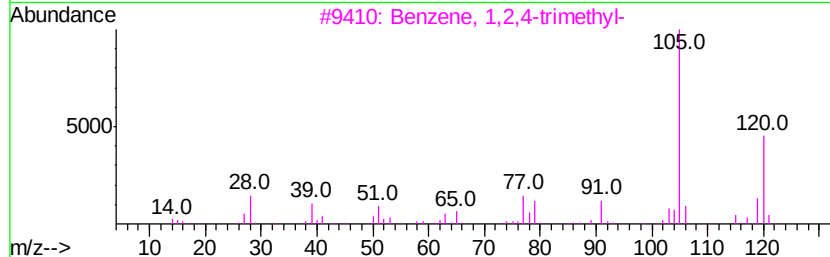
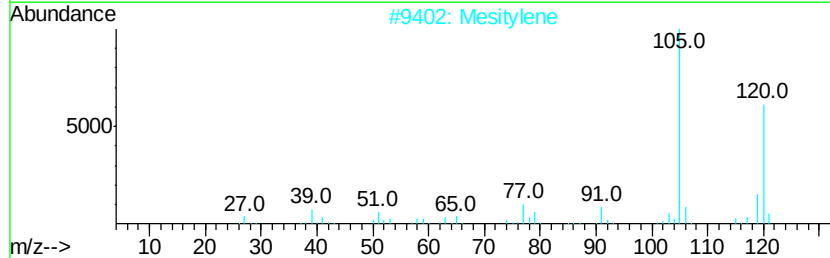
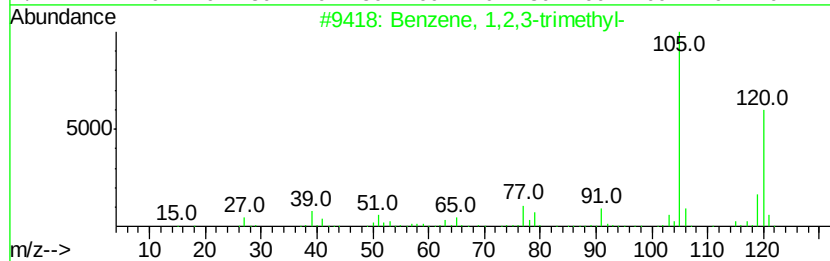
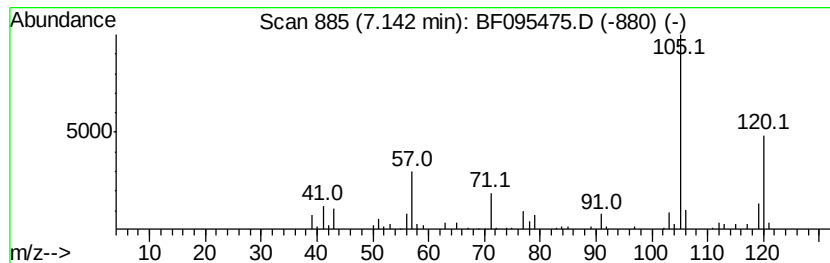
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Benzene, 1,2,3-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.14	6.28 ng	152951	1,4-Dichlorobenzene-d4	7.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
2		Mesitylene	120	C9H12	000108-67-8	93
3		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	87
4		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	81
5		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	76



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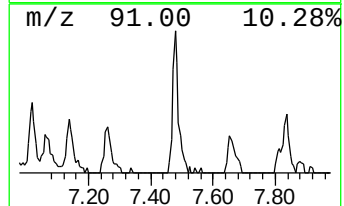
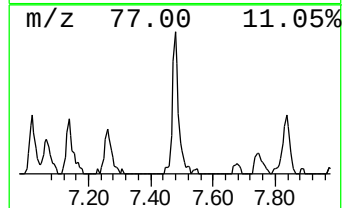
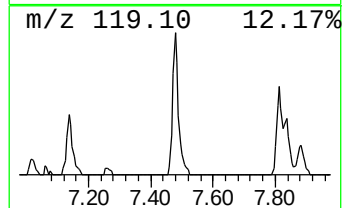
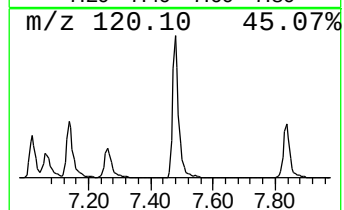
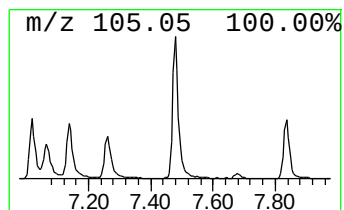
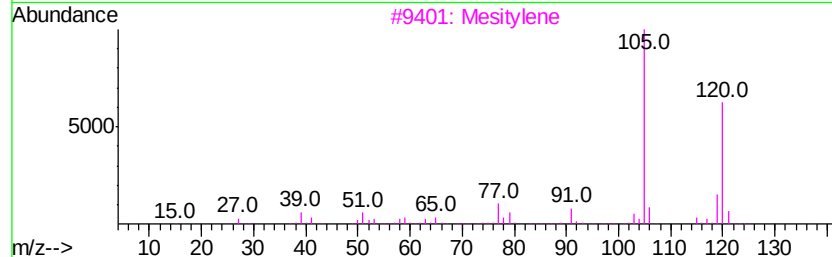
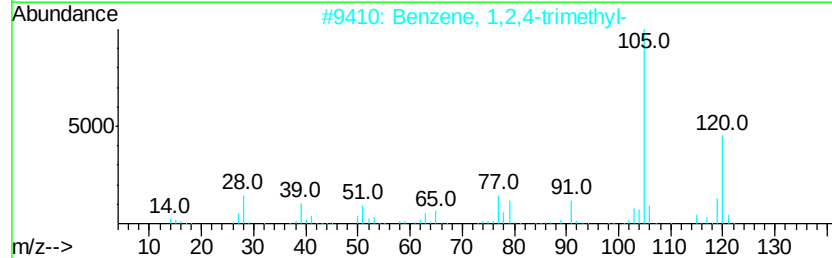
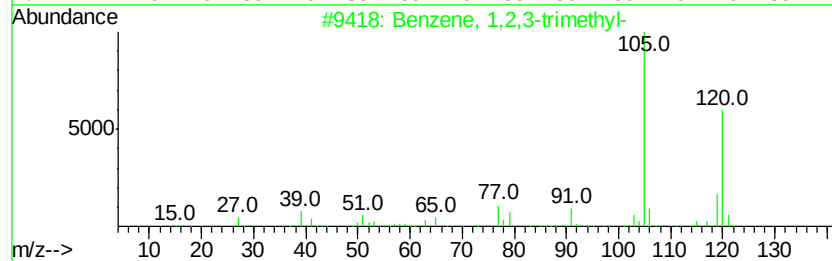
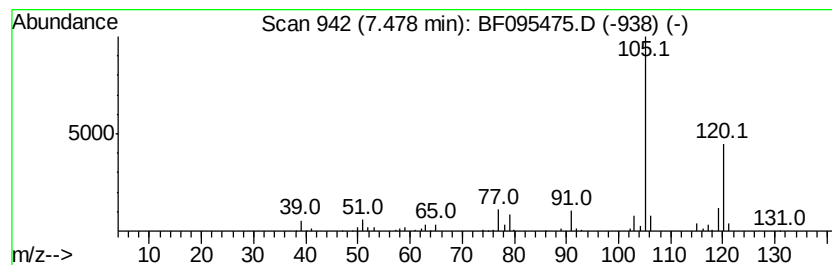
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Benzene, 1,2,4-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.48	14.00 ng	340912	1,4-Dichlorobenzene-d4	7.74

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
3		Mesitylene	120	C9H12	000108-67-8	93
4		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
5		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052617\
Data File : BF095475.D
Acq On : 26 May 2017 22:51
Operator : SJ/MA
Sample : I3240-03 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EP2-WC7(0-6.5)

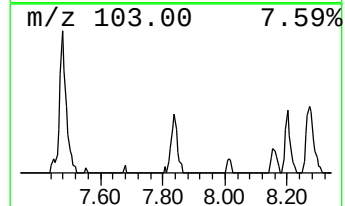
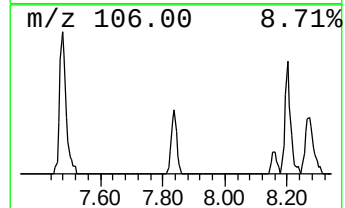
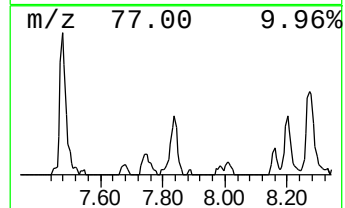
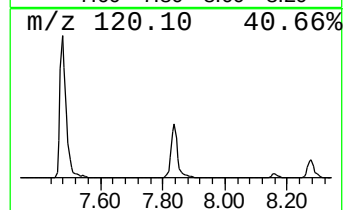
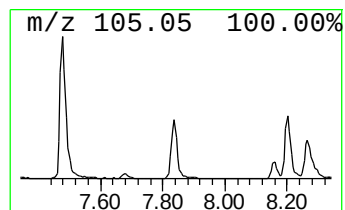
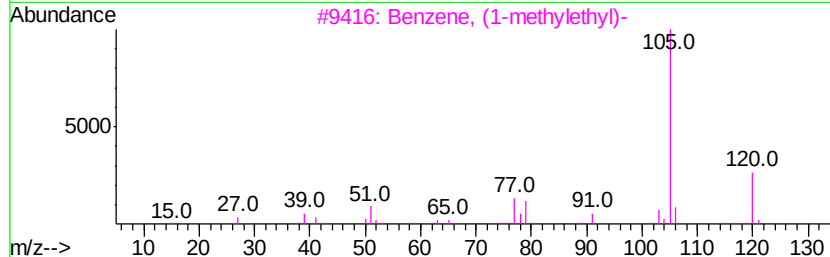
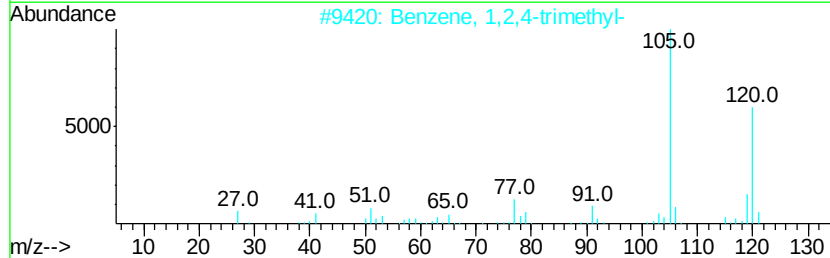
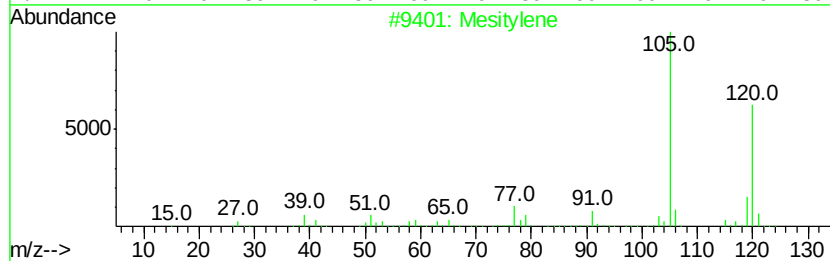
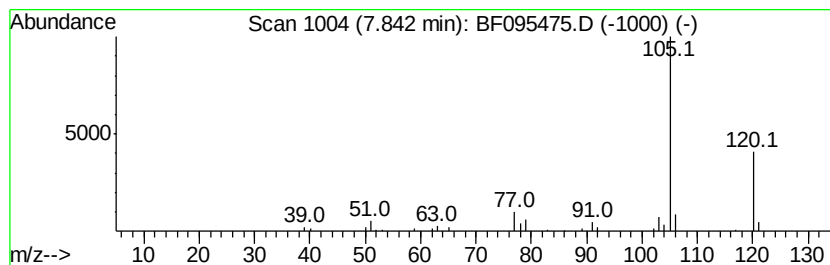
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Mesitylene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.84	4.76 ng	115772	1,4-Dichlorobenzene-d4	7.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Mesitylene	120	C9H12	000108-67-8	91
2		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
3		Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	87
4		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	87
5		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	87



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
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Instrument :
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ClientSampleId :
EP2-WC7(0-6.5)

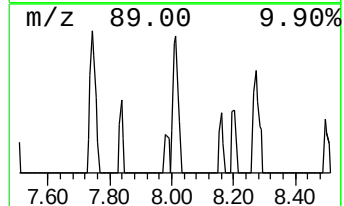
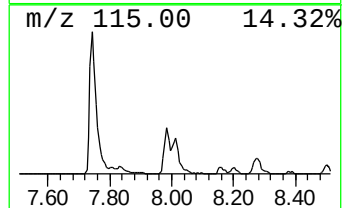
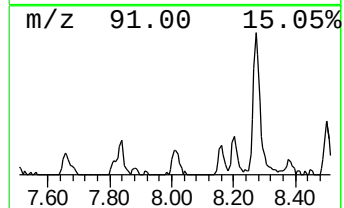
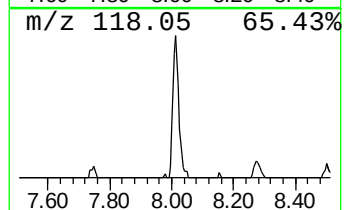
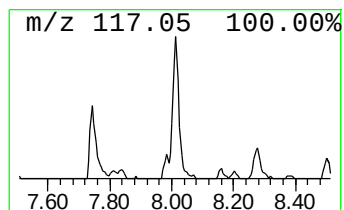
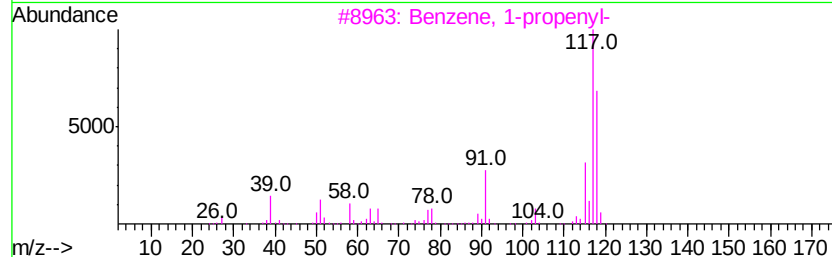
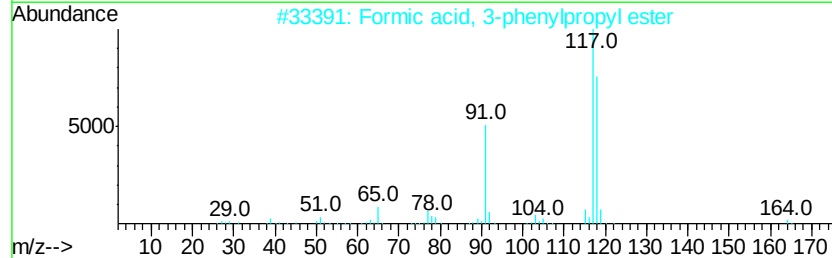
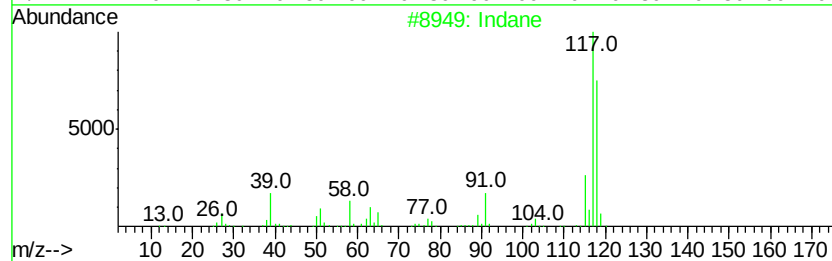
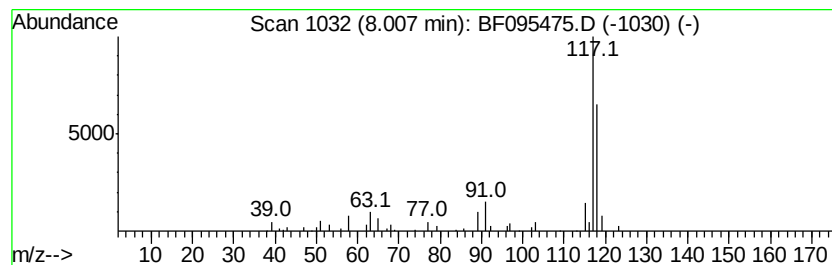
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Indane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.01	5.65 ng	137555	1,4-Dichlorobenzene-d4	7.74

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane		118	C9H10	000496-11-7	90
2	Formic acid, 3-phenylpropyl ester		164	C10H12O2	1000367-88-7	78
3	Benzene, 1-propenyl-		118	C9H10	000637-50-3	72
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-	...	118	C9H10	1000191-13-7	72
5	(Z)-1-Phenylpropene		118	C9H10	000766-90-5	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
Data File : BF095475.D
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Operator : SJ/MA
Sample : I3240-03 10X
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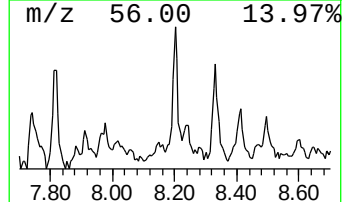
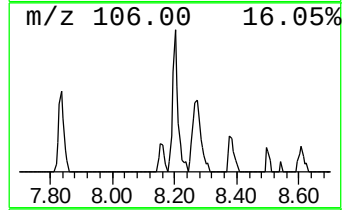
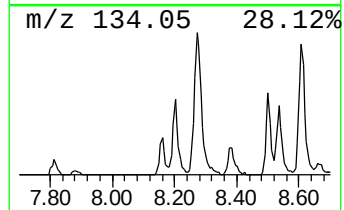
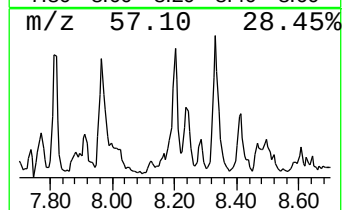
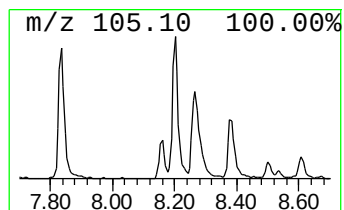
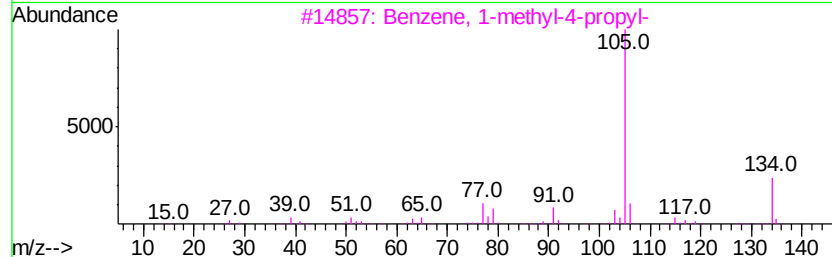
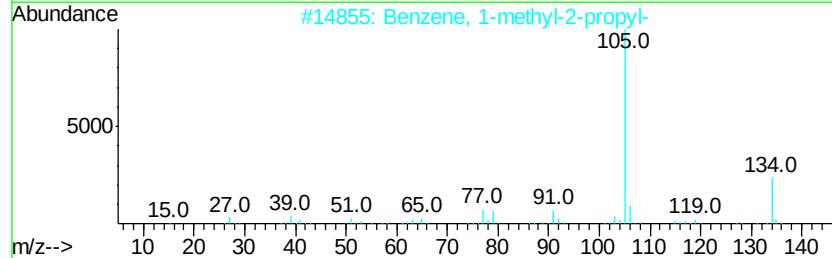
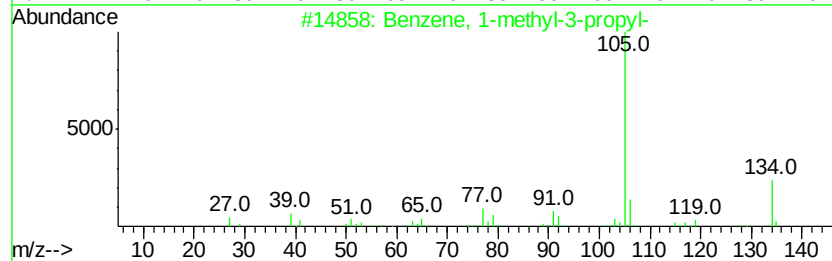
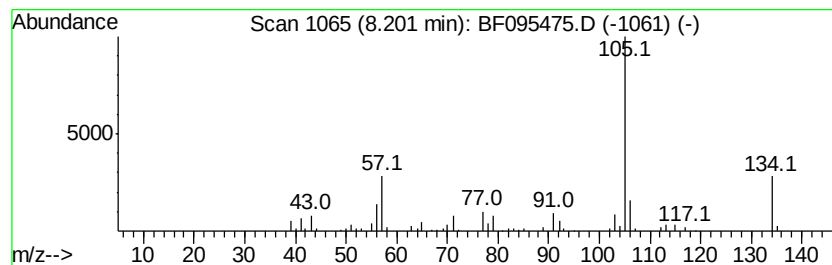
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Benzene, 1-methyl-3-propyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.20	5.29 ng	128702	1,4-Dichlorobenzene-d4	7.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	90
2		Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	90
3		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	87
4		2-Tolyloxirane	134	C9H10O	002783-26-8	81
5		Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
Data File : BF095475.D
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Operator : SJ/MA
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Instrument :
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ClientSampleId :
EP2-WC7(0-6.5)

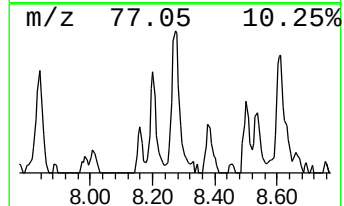
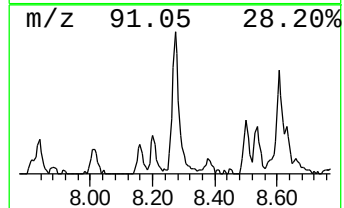
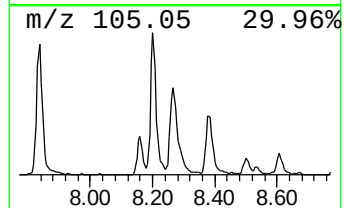
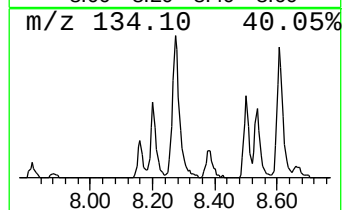
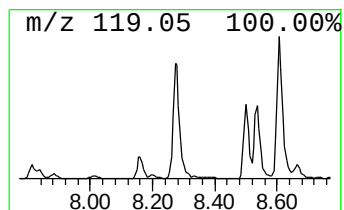
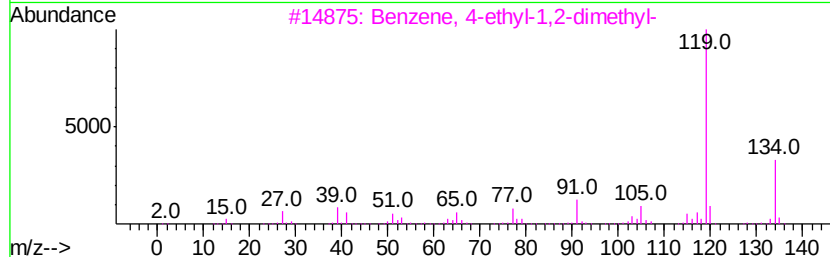
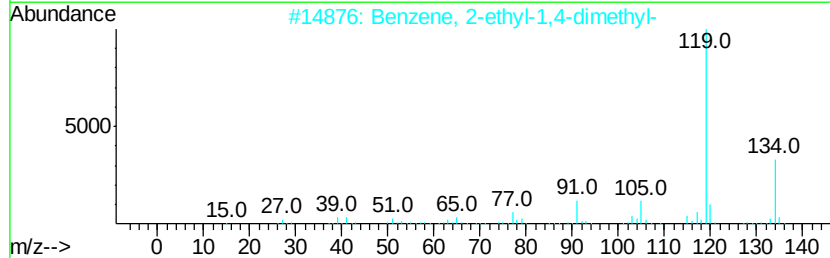
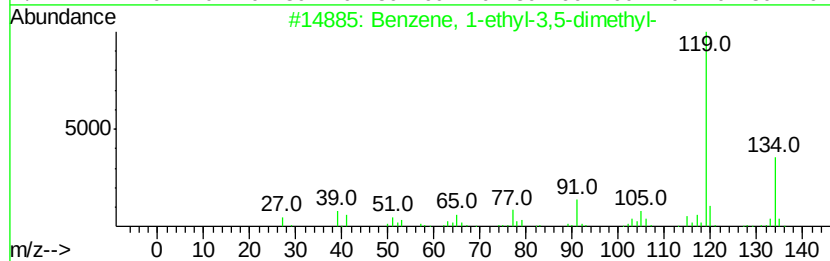
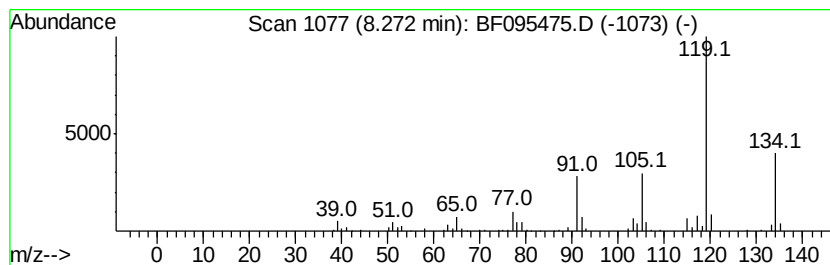
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.27	11.17 ng	271997	1,4-Dichlorobenzene-d4	7.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
2		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	90
3		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	90
4		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	90
5		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
Data File : BF095475.D
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ClientSampleId :
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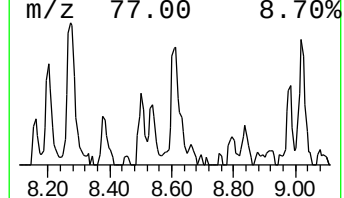
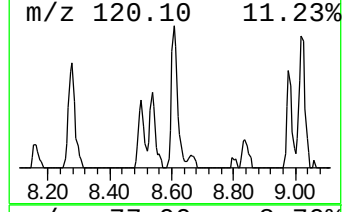
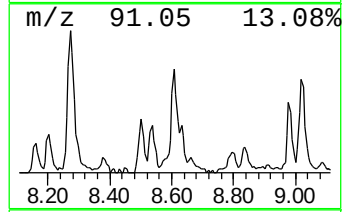
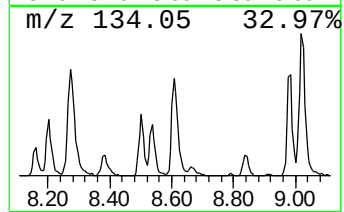
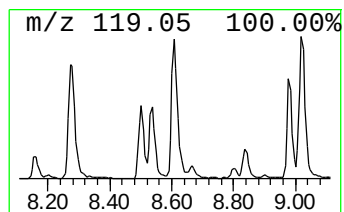
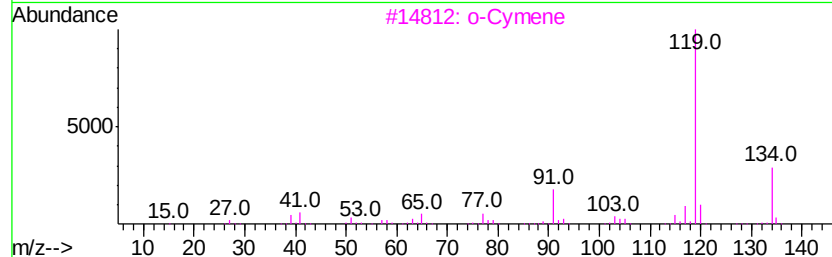
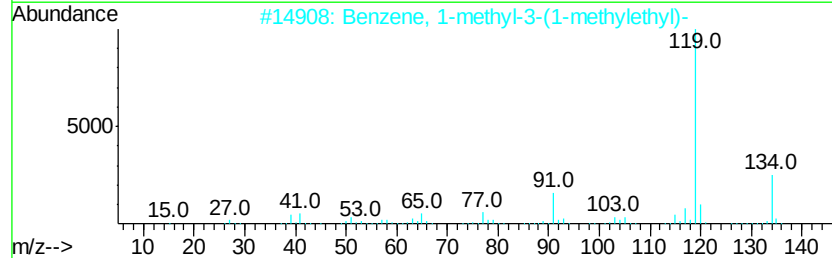
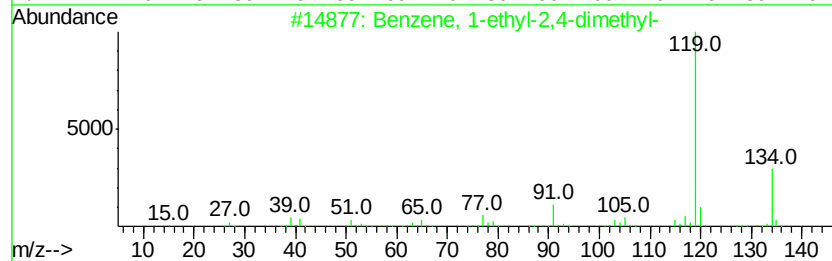
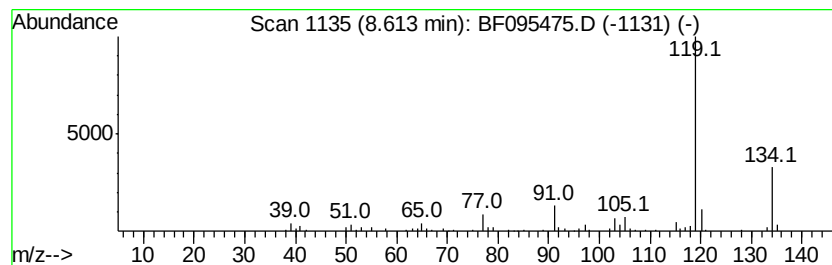
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.61	8.20 ng	199588	1,4-Dichlorobenzene-d4	7.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
2		Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	94
3		o-Cymene	134	C10H14	000527-84-4	91
4		p-Cymene	134	C10H14	000099-87-6	91
5		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
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EP2-WC7(0-6.5)

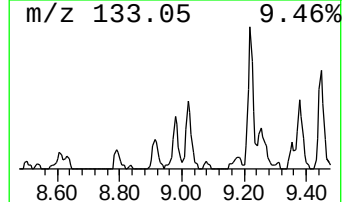
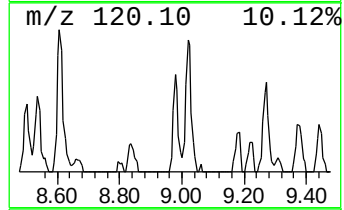
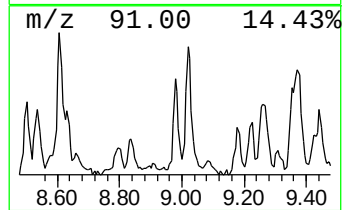
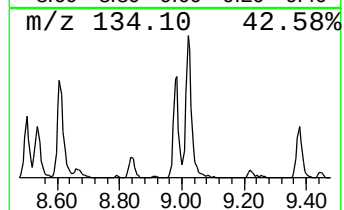
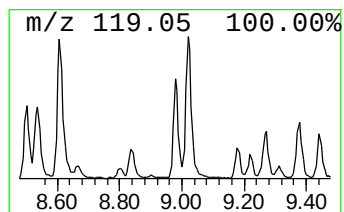
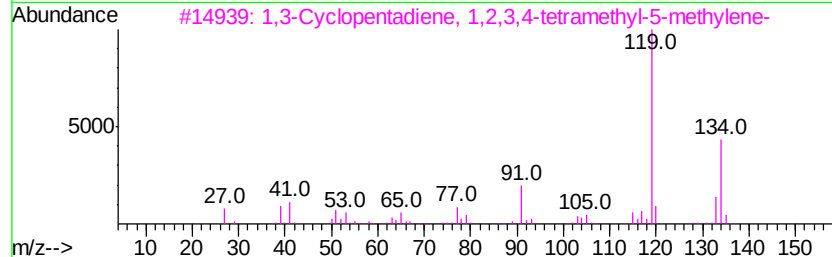
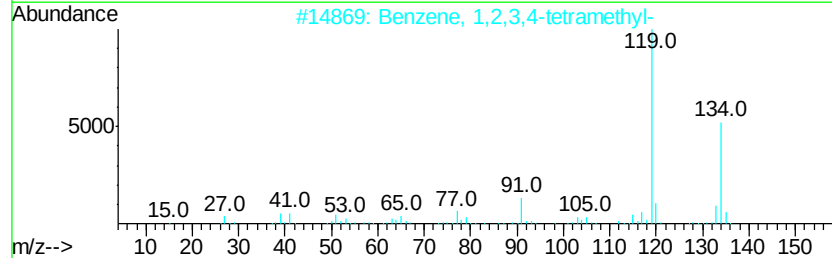
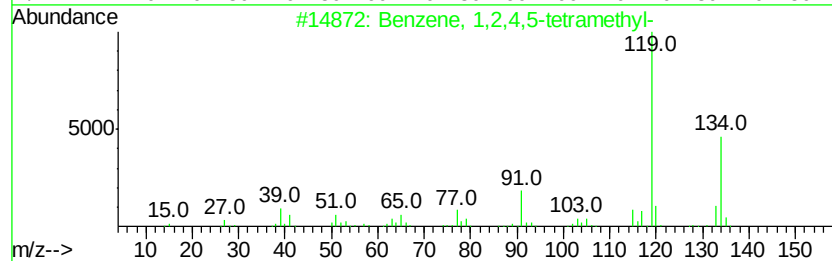
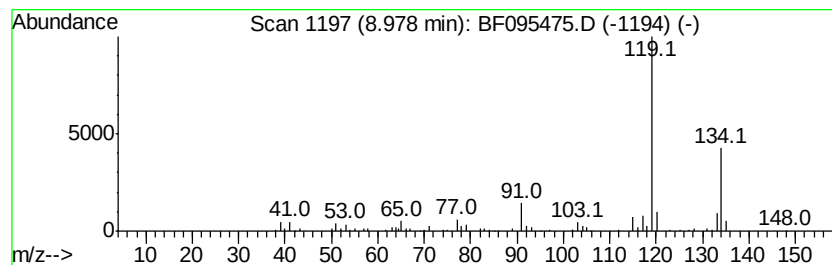
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.98	4.34 ng	180202	Naphthalene-d8	9.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3		1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	95
4		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
5		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
Data File : BF095475.D
Acq On : 26 May 2017 22:51
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ClientSampleId :
EP2-WC7(0-6.5)

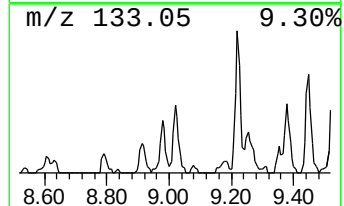
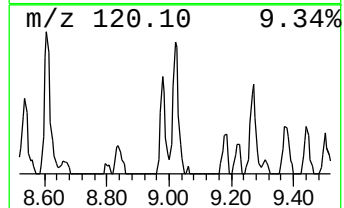
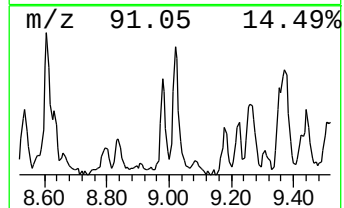
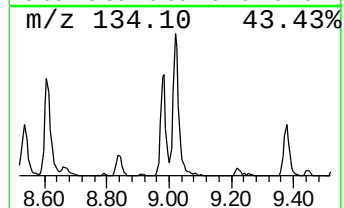
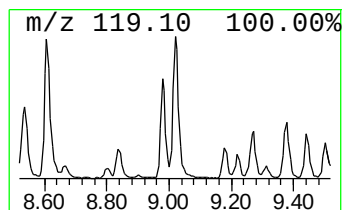
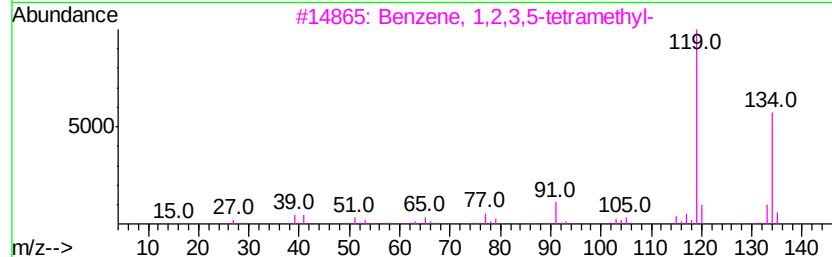
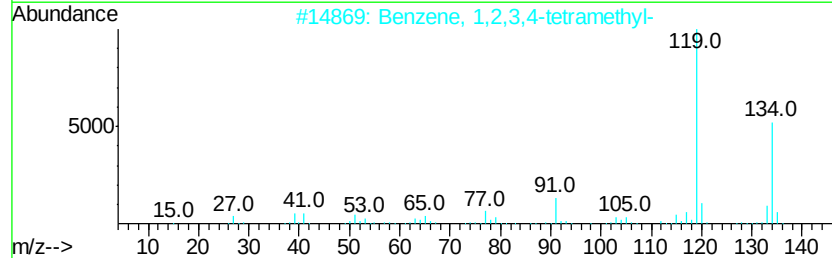
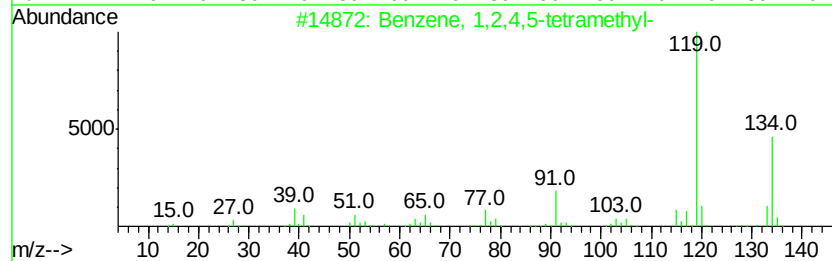
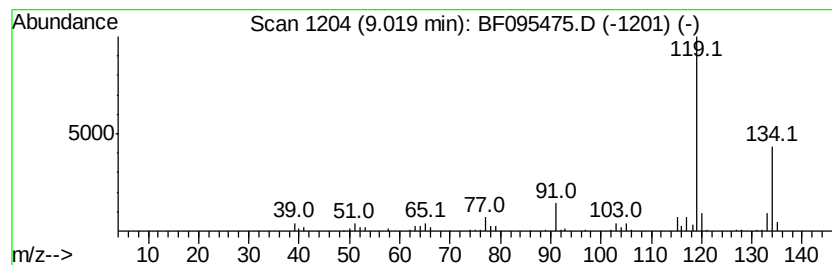
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.02	6.44 ng	267273	Napthalene-d8	9.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
4		1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	94
5		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	93



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
Data File : BF095475.D
Acq On : 26 May 2017 22:51
Operator : SJ/MA
Sample : I3240-03 10X
Misc :
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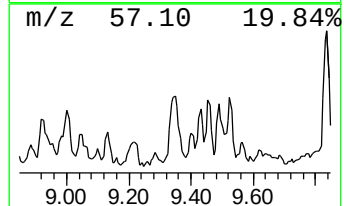
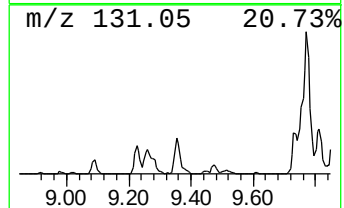
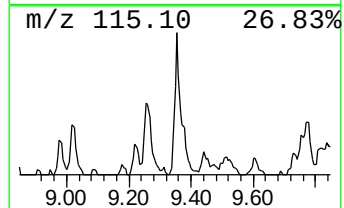
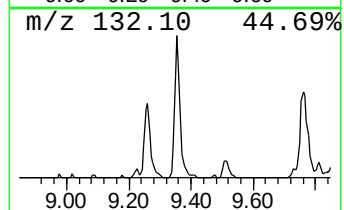
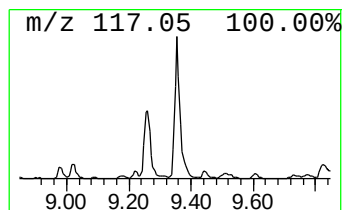
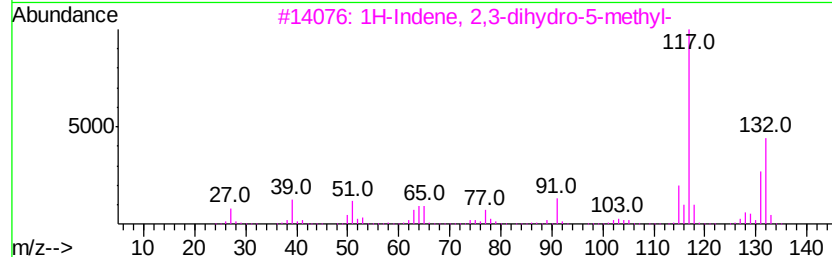
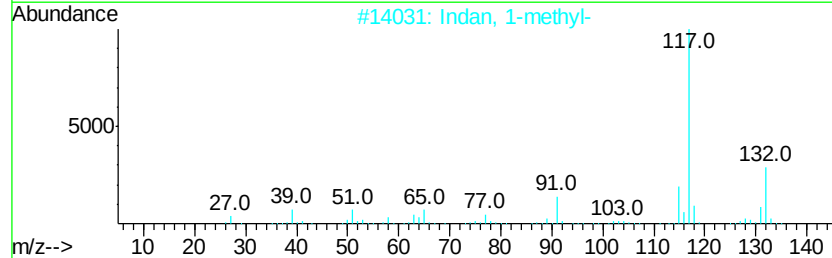
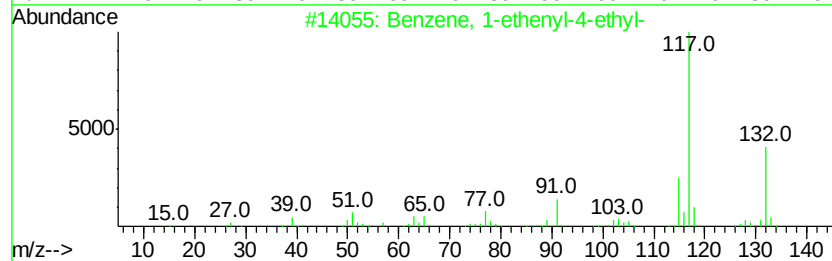
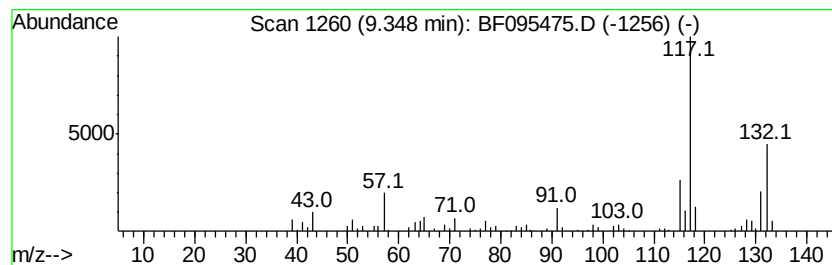
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.35	9.89 ng	410451	Napthalene-d8	9.76	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	93
2	Indan, 1-methyl-	132	C10H12	000767-58-8	90
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
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ClientSampleId :
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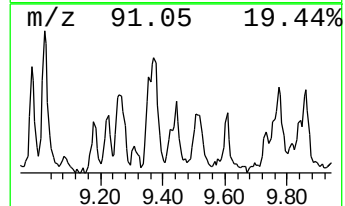
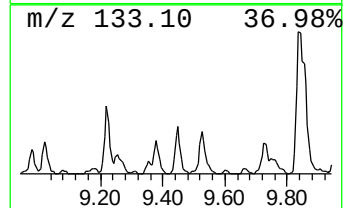
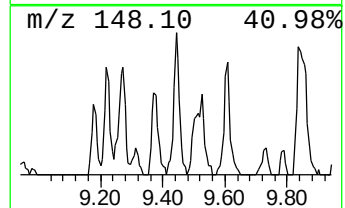
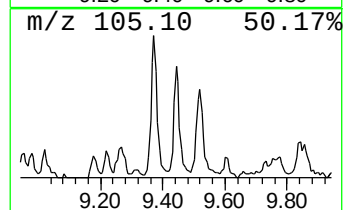
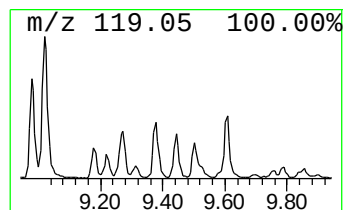
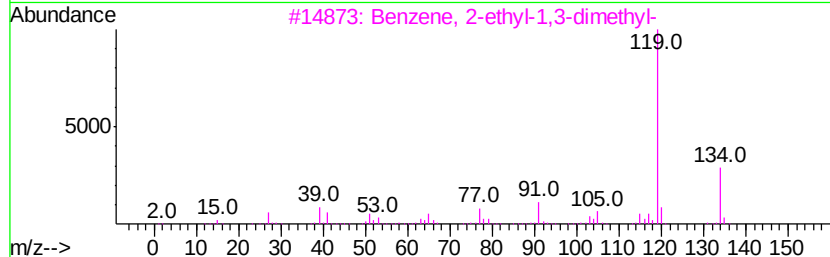
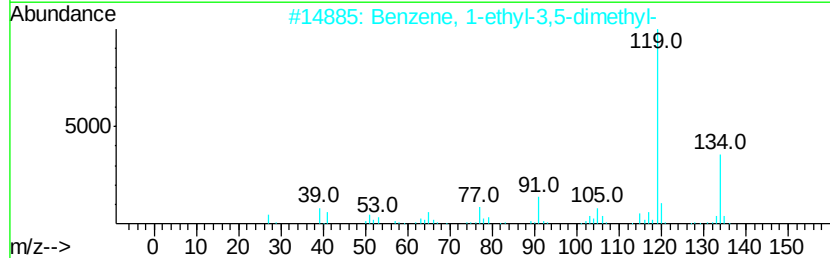
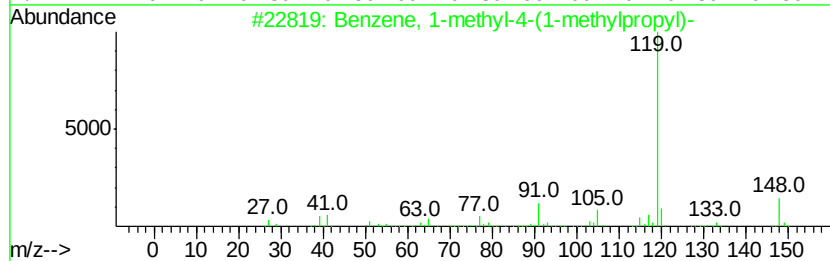
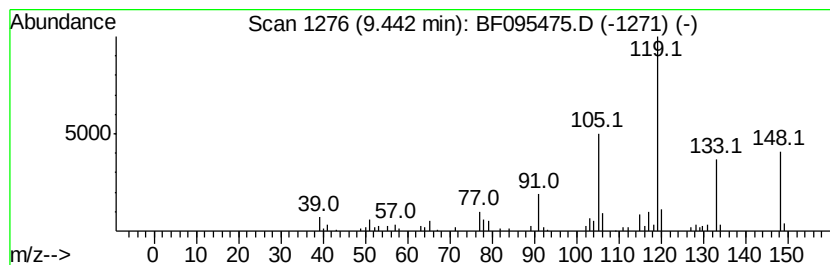
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Benzene, 1-methyl-4-(1-meth... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.44	4.16 ng	172803	Naphthalene-d8	9.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	81
2		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	64
3		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	60
4		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	53
5		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052617\
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Sample : I3240-03 10X
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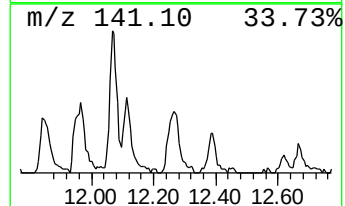
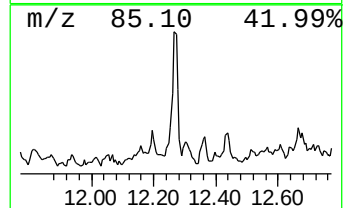
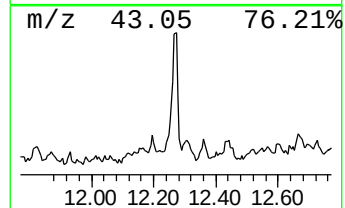
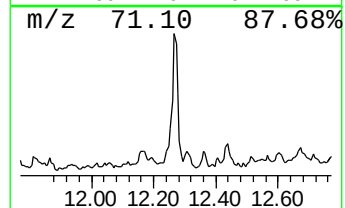
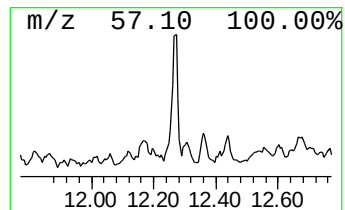
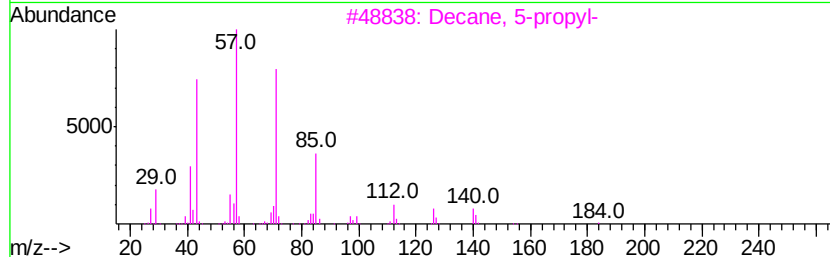
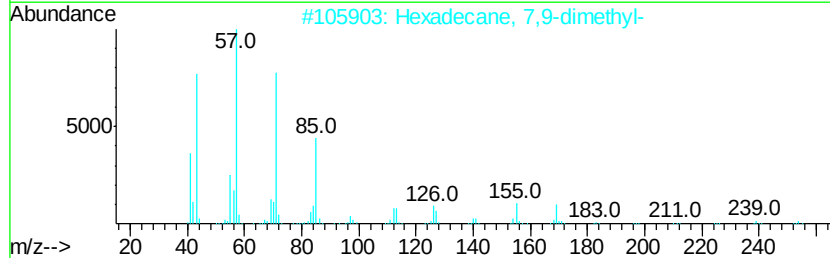
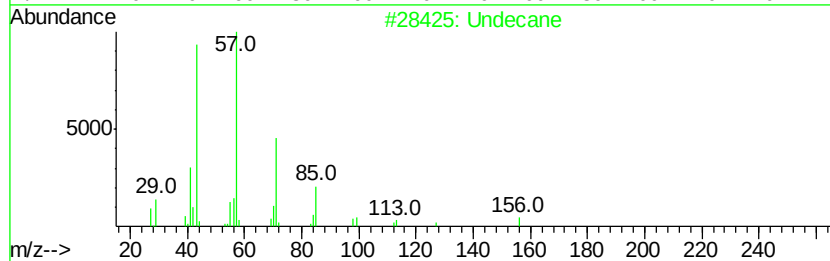
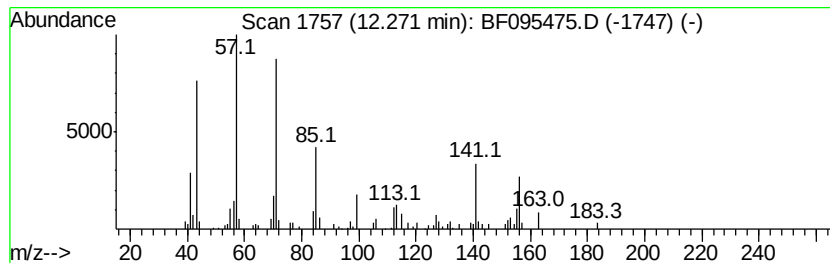
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Undecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	4.94 ng	158592	Acenaphthene-d10	12.60
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Undecane	156 C11H24	001120-21-4	74
2	Hexadecane, 7,9-dimethyl-	254 C18H38	021164-95-4	72
3	Decane, 5-propyl-	184 C13H28	017312-62-8	59
4	Octadecane	254 C18H38	000593-45-3	59
5	Undecane, 3,6-dimethyl-	184 C13H28	017301-28-9	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052617\
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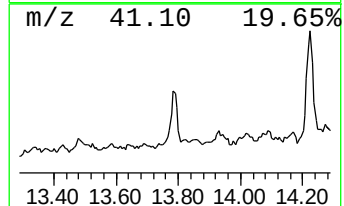
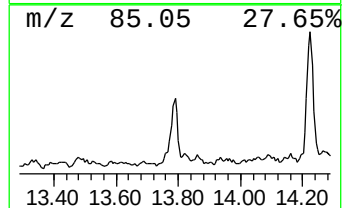
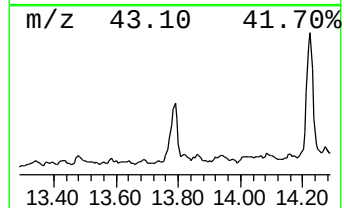
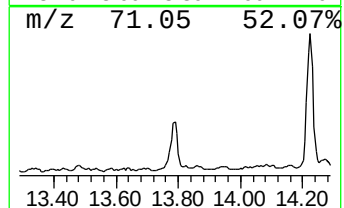
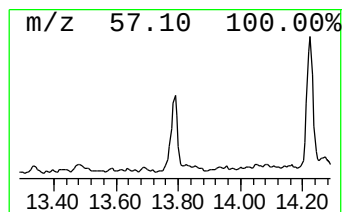
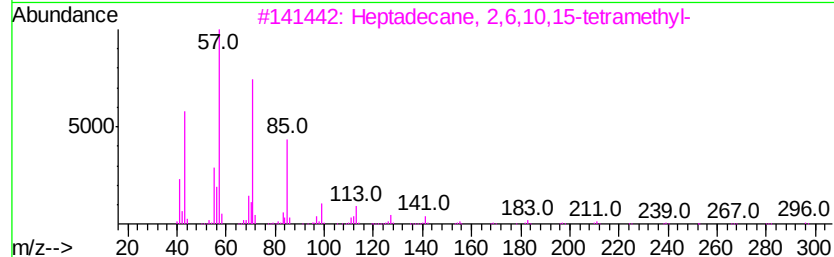
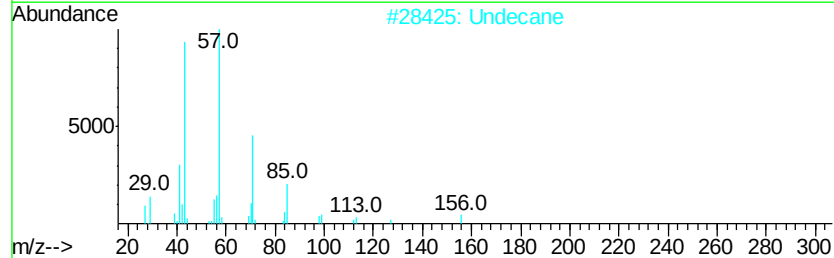
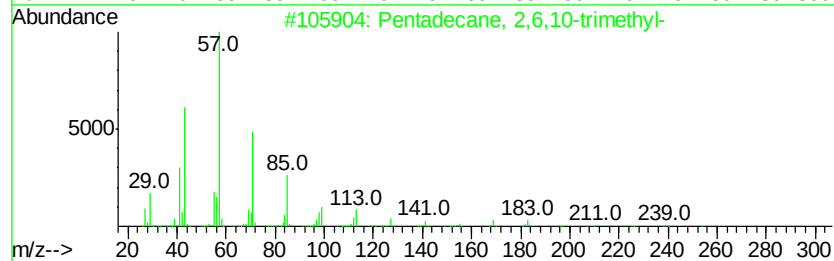
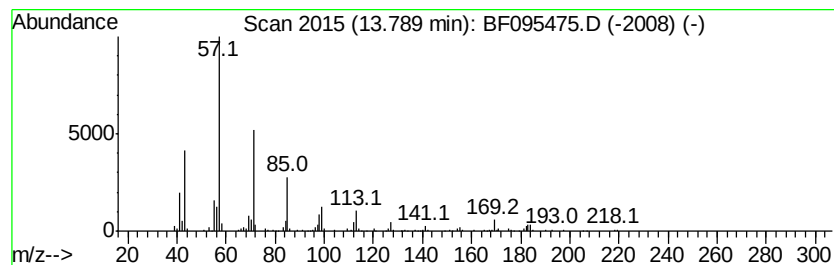
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Pentadecane, 2,6,10-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	9.96 ng	319363	Acenaphthene-d10	12.60

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	87
2		Undecane	156	C11H24	001120-21-4	83
3		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	72
4		Tridecane	184	C13H28	000629-50-5	72
5		Dodecane, 3-methyl-	184	C13H28	017312-57-1	59



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
Data File : BF095475.D
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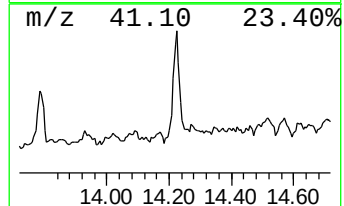
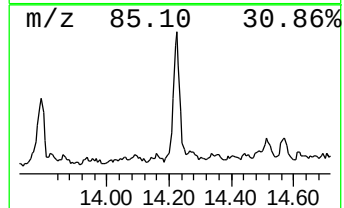
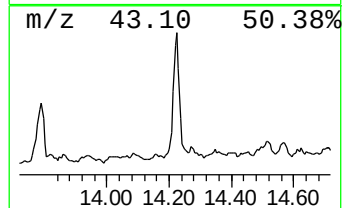
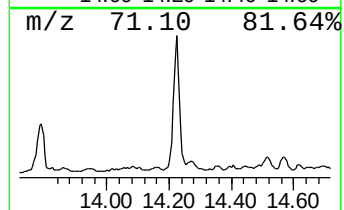
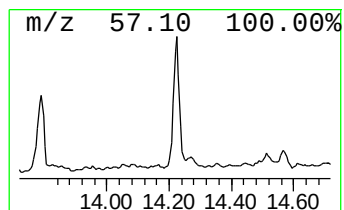
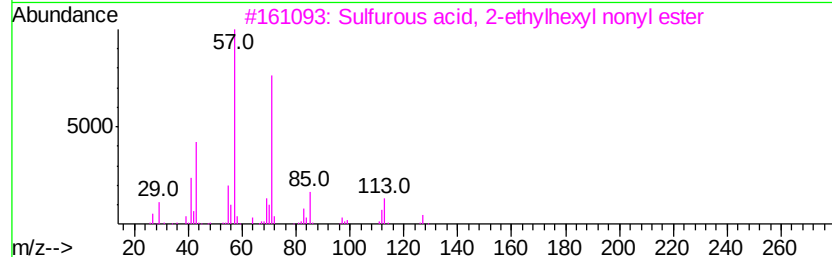
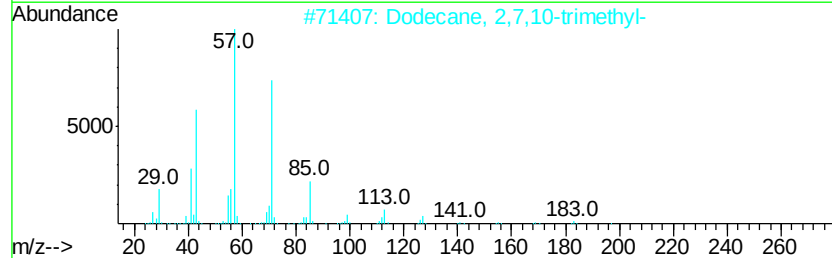
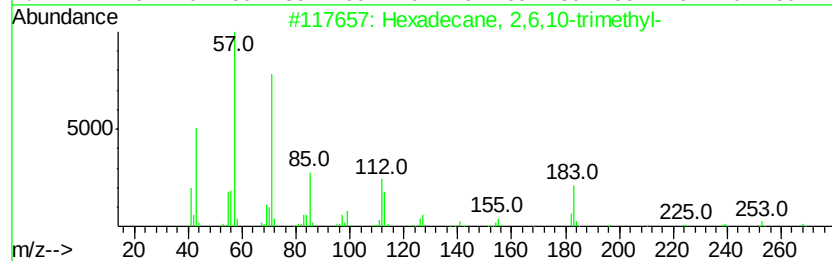
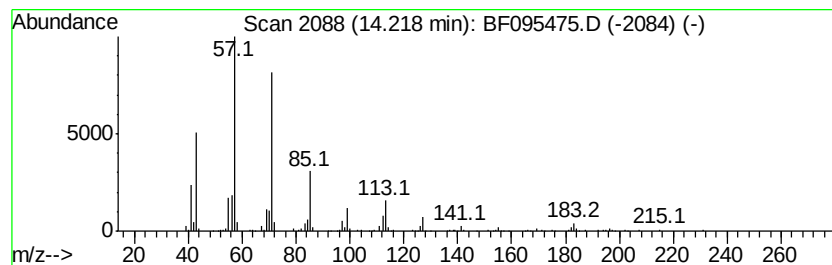
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Hexadecane, 2,6,10-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.22	12.75 ng	551039	Phenanthrene-d10	15.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane, 2,6,10-trimethyl-	268	C19H40	055000-52-7	90
2		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	86
3		Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	72
4		Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	72
5		Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052617\
Data File : BF095475.D
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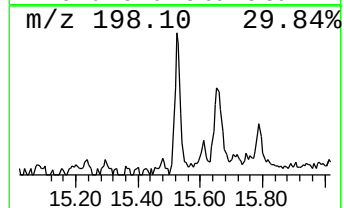
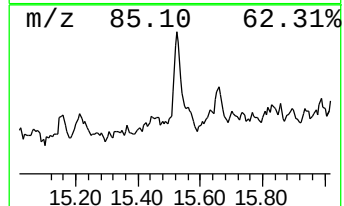
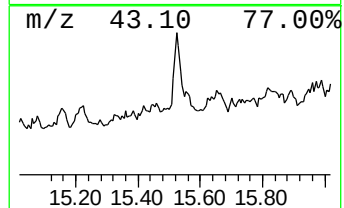
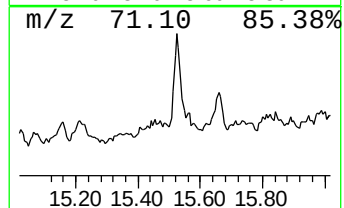
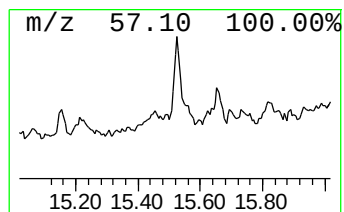
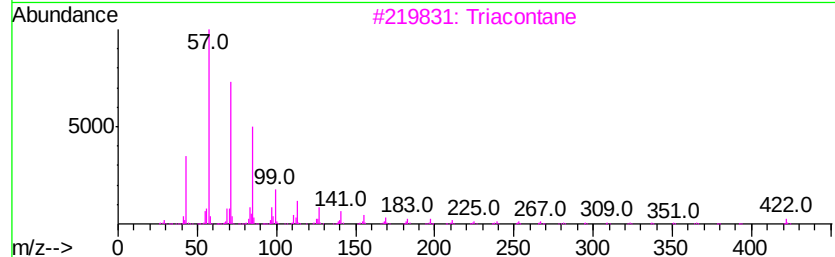
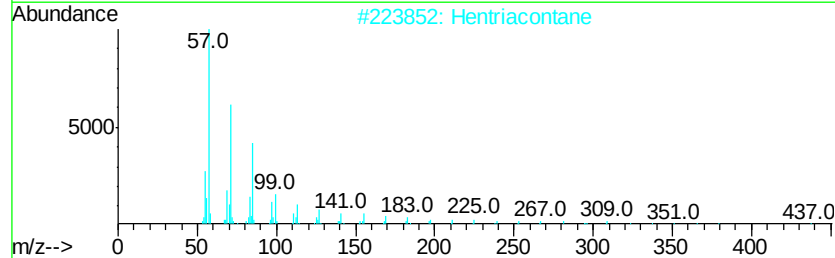
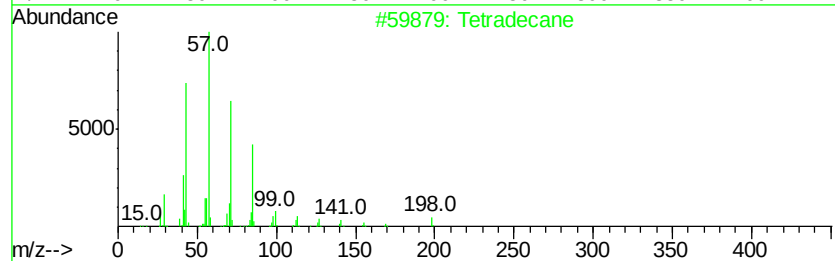
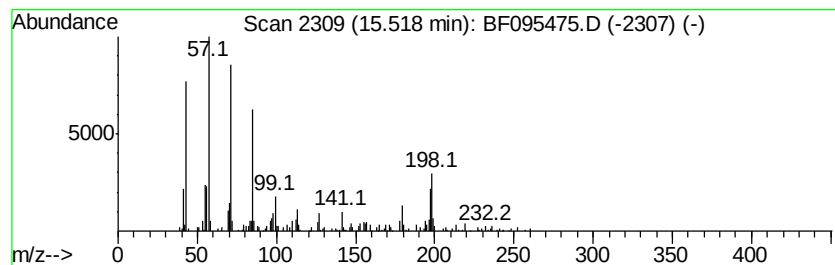
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Tetradecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.52	6.70 ng	289562	Phenanthrene-d10	15.00

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetradecane	198	C14H30	000629-59-4	72
2			Hentriacontane	437	C31H64	000630-04-6	64
3			Triacontane	422	C30H62	000638-68-6	59
4			2-methyltetracosane	352	C25H52	1000376-72-6	53
5			2-methyloctacosane	408	C29H60	1000376-72-8	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
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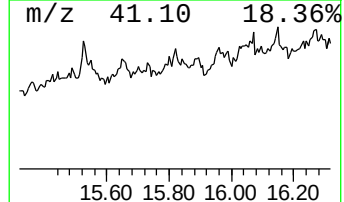
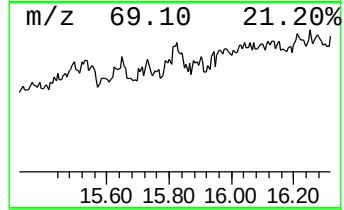
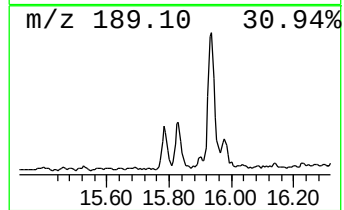
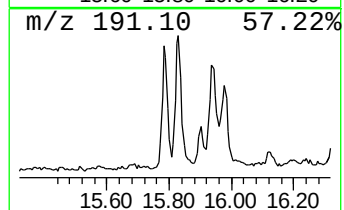
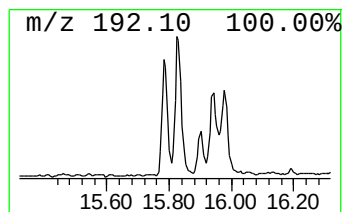
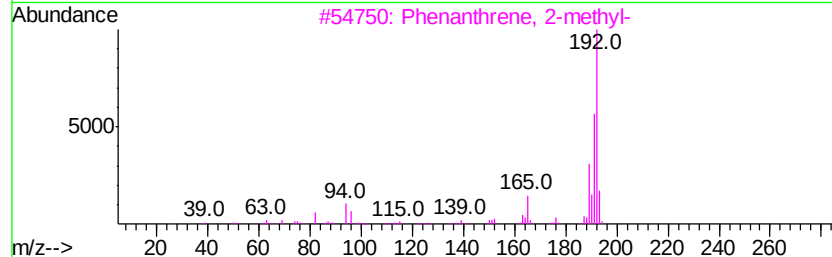
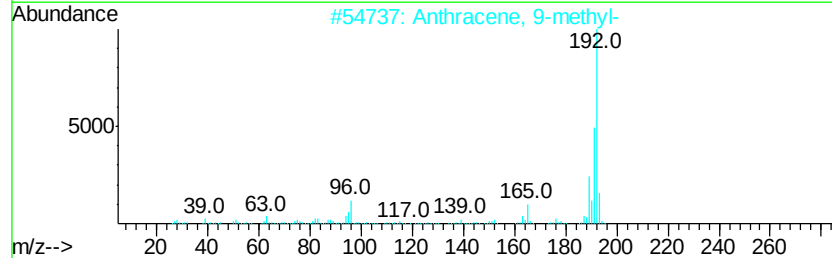
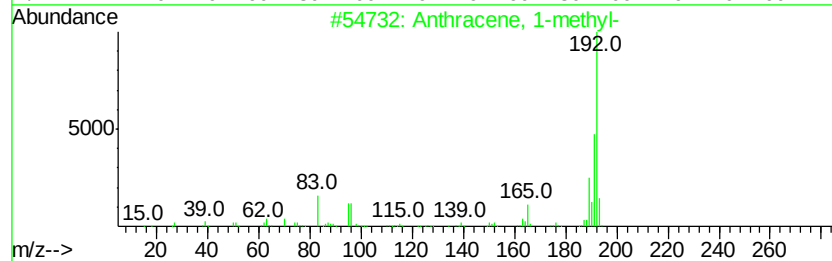
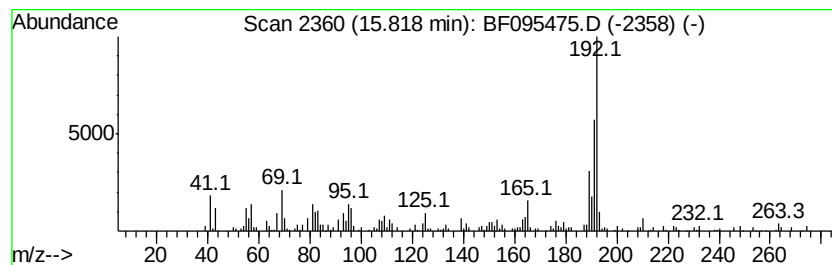
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ClientSampleId :
EP2-WC7(0-6.5)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Anthracene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.82	5.30 ng	229195	Phenanthrene-d10	15.00	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052617\
Data File : BF095475.D
Acq On : 26 May 2017 22:51
Operator : SJ/MA
Sample : I3240-03 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

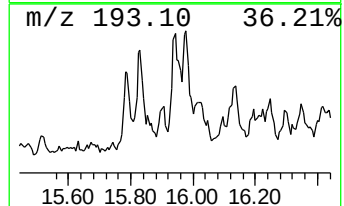
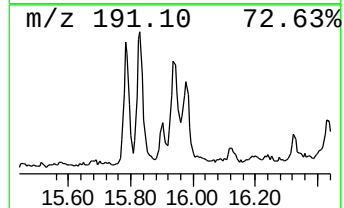
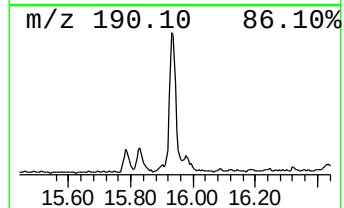
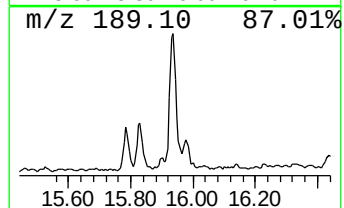
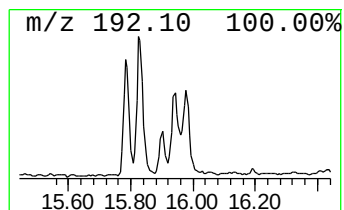
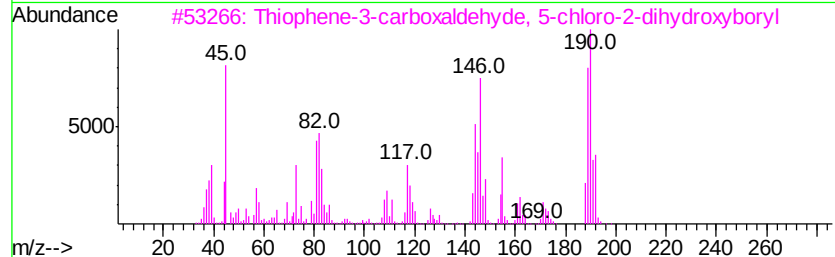
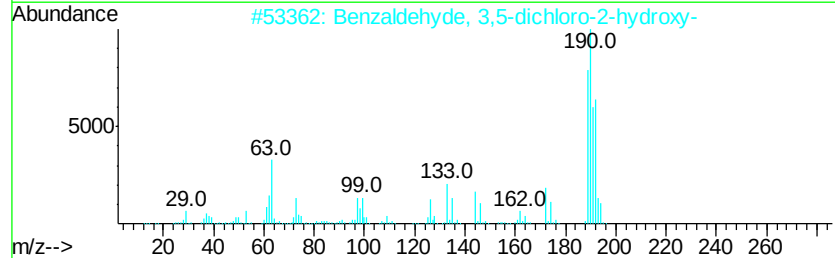
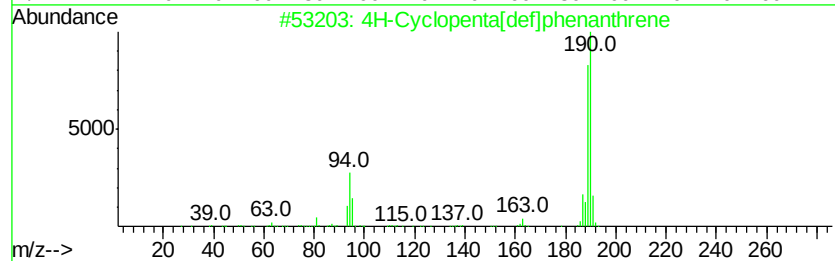
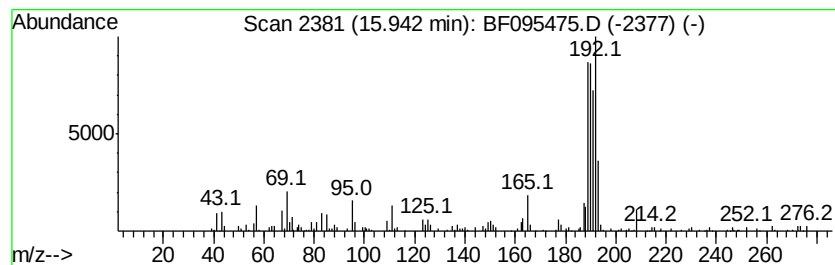
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ClientSampleId :
EP2-WC7(0-6.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 4H-Cyclopenta[def]phenanthrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.		
15.94	4.72 ng	204012	Phenanthrene-d10	15.00		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2		Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	53
3		Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
4		6H-Cyclobuta[flk]phenanthrene	190	C15H10	083469-43-6	47
5		1H-Pyrazole-4-carboxaldehyde, 1-...	190	C10H7FN2O	1000338-05-6	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052617\
Data File : BF095475.D
Acq On : 26 May 2017 22:51
Operator : SJ/MA
Sample : I3240-03 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

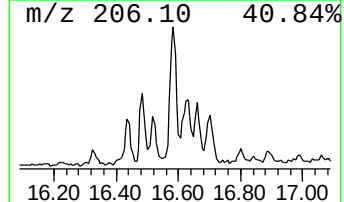
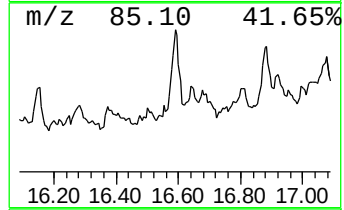
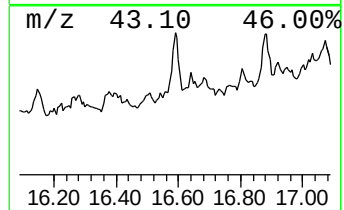
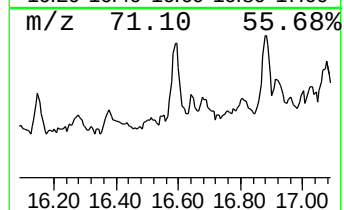
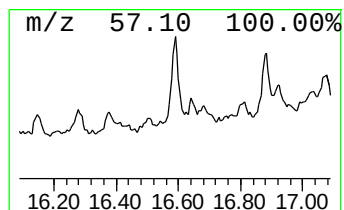
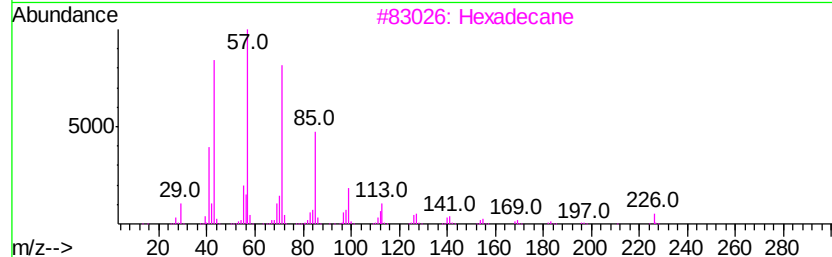
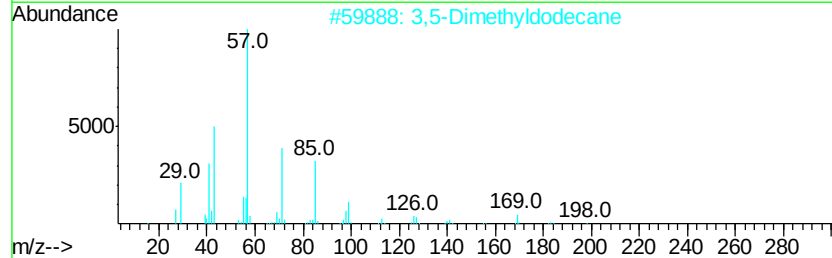
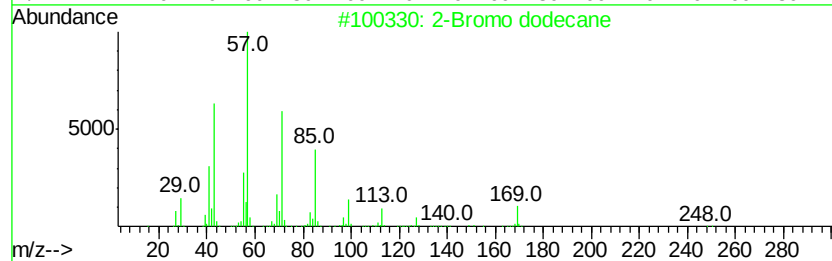
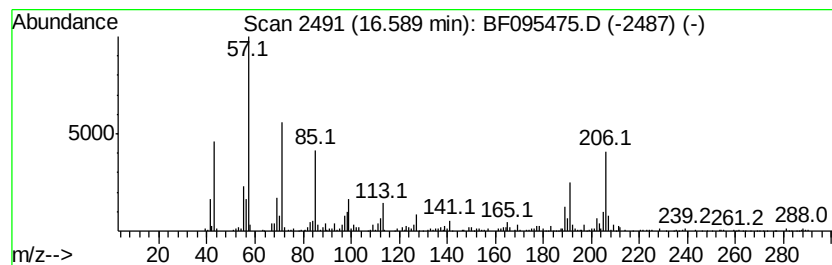
Instrument :
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ClientSampleId :
EP2-WC7(0-6.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 2-Bromo dodecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD		R.T.
16.59	8.30 ng	358476	Phenanthrene-d10		15.00
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Bromo dodecane	248	C12H25Br	013187-99-0	70
2	3,5-Dimethyldodecane	198	C14H30	107770-99-0	49
3	Hexadecane	226	C16H34	000544-76-3	49
4	Hexacosane	366	C26H54	000630-01-3	49
5	Eicosane	282	C20H42	000112-95-8	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052617\
 Data File : BF095475.D
 Acq On : 26 May 2017 22:51
 Operator : SJ/MA
 Sample : I3240-03 10X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP2-WC7(0-6.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.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
Benzene, 1-ethyl-...	7.02	4.9 ng		120122	1	7.74	486879	20.0
Benzene, 1,2,3-tr...	7.14	6.3 ng		152951	1	7.74	486879	20.0
Benzene, 1,2,4-tr...	7.48	14.0 ng		340912	1	7.74	486879	20.0
Mesitylene	7.84	4.8 ng		115772	1	7.74	486879	20.0
Indane	8.01	5.7 ng		137555	1	7.74	486879	20.0
Benzene, 1-methyl...	8.20	5.3 ng		128702	1	7.74	486879	20.0
Benzene, 1-ethyl-...	8.27	11.2 ng		271997	1	7.74	486879	20.0
Benzene, 1-ethyl-...	8.61	8.2 ng		199588	1	7.74	486879	20.0
Benzene, 1,2,4,5-...	8.98	4.3 ng		180202	2	9.76	830242	20.0
Benzene, 1,2,3,4-...	9.02	6.4 ng		267273	2	9.76	830242	20.0
Benzene, 1-etheny...	9.35	9.9 ng		410451	2	9.76	830242	20.0
Benzene, 1-methyl...	9.44	4.2 ng		172803	2	9.76	830242	20.0
Undecane	12.27	4.9 ng		158592	3	12.60	641584	20.0
Pentadecane, 2,6,...	13.79	10.0 ng		319363	3	12.60	641584	20.0
Hexadecane, 2,6,1...	14.22	12.8 ng		551039	4	15.00	864172	20.0
Tetradecane	15.52	6.7 ng		289562	4	15.00	864172	20.0
Anthracene, 1-met...	15.82	5.3 ng		229195	4	15.00	864172	20.0
4H-Cyclopenta[def...	15.94	4.7 ng		204012	4	15.00	864172	20.0
2-Bromo dodecane	16.59	8.3 ng		358476	4	15.00	864172	20.0