

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041117\
 Data File : BF094361.D
 Acq On : 11 Apr 2017 20:19
 Operator : SJ/MA
 Sample : I2622-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-CONCRETE-BATCH-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-BF032217.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	2.775	146	151	162	rVB	1011234	1246593	3.68%	0.504%
2	3.504	255	275	278	rBV2	7299629	33908181	100.00%	13.696%
3	4.022	348	363	365	rBV	4180401	11425448	33.70%	4.615%
4	5.657	638	641	646	rVB	1007988	997272	2.94%	0.403%
5	5.822	663	669	673	rVV	924277	991128	2.92%	0.400%
6	6.004	696	700	705	rVB	2454188	2571831	7.58%	1.039%
7	6.151	720	725	729	rBV3	570047	729487	2.15%	0.295%
8	6.198	729	733	736	rVB3	915077	1101053	3.25%	0.445%
9	6.475	770	780	784	rBV	1689342	2433465	7.18%	0.983%
10	6.545	788	792	795	rBV	1921554	2013822	5.94%	0.813%
11	6.769	826	830	836	rVB2	899438	1109638	3.27%	0.448%
12	6.898	846	852	857	rBV5	727997	1252762	3.69%	0.506%
13	7.028	870	874	877	rVB3	600647	749999	2.21%	0.303%
14	7.069	877	881	886	rBV2	867855	1125720	3.32%	0.455%
15	7.122	887	890	897	rVB5	691971	1000483	2.95%	0.404%
16	7.334	922	926	927	rVV	1439916	1898520	5.60%	0.767%
17	7.357	927	930	933	rVV	3232875	3680678	10.85%	1.487%
18	7.451	941	946	950	rBV	1567300	1830584	5.40%	0.739%
19	7.675	977	984	986	rBV5	386914	869714	2.56%	0.351%
20	7.745	993	996	1001	rBV4	448896	746278	2.20%	0.301%
21	7.792	1001	1004	1009	rBV3	679065	1119911	3.30%	0.452%
22	7.839	1009	1012	1016	rVB2	891106	928518	2.74%	0.375%
23	7.892	1016	1021	1027	rBV2	2413436	3664909	10.81%	1.480%
24	8.110	1051	1058	1061	rBV	4533783	6280057	18.52%	2.537%
25	8.204	1070	1074	1079	rVB3	1598244	2583735	7.62%	1.044%
26	8.322	1088	1094	1096	rBV3	837002	1038005	3.06%	0.419%
27	8.451	1113	1116	1117	rVV2	896647	936177	2.76%	0.378%
28	8.469	1117	1119	1123	rVV	1140628	1357626	4.00%	0.548%
29	8.510	1123	1126	1129	rVV3	768351	899280	2.65%	0.363%
30	8.551	1129	1133	1136	rVV	1371893	1422369	4.19%	0.575%
31	8.604	1138	1142	1144	rVV3	992751	1285880	3.79%	0.519%
32	8.634	1144	1147	1149	rVV2	2458246	3054410	9.01%	1.234%
33	8.657	1149	1151	1154	rVV	2717231	2446722	7.22%	0.988%
34	8.810	1169	1177	1180	rBV	4476687	6254429	18.45%	2.526%

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If leading or trailing edge < 100 prefer < Baseline drop else tangent >
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.892	1188	1191	1195	rVB	1011845	1156508	3.41%	0.467%
36	8.975	1202	1205	1211	rVB2	1717321	2617547	7.72%	1.057%
37	9.069	1218	1221	1224	rVB	1502111	1682582	4.96%	0.680%
38	9.104	1224	1227	1229	rVV	1375266	1445681	4.26%	0.584%
39	9.133	1229	1232	1236	rVV5	761497	1010786	2.98%	0.408%
40	9.204	1237	1244	1252	rVB3	2762907	5962476	17.58%	2.408%
41	9.322	1257	1264	1266	rVV3	577680	1044608	3.08%	0.422%
42	9.469	1282	1289	1293	rBV2	4616654	7306641	21.55%	2.951%
43	9.622	1311	1315	1320	rVB	1679549	2678216	7.90%	1.082%
44	9.675	1321	1324	1327	rVB	849742	852821	2.52%	0.344%
45	9.745	1330	1336	1339	rBV4	1903499	2923785	8.62%	1.181%
46	9.792	1339	1344	1346	rBV2	1568162	2258827	6.66%	0.912%
47	9.851	1351	1354	1357	rVB3	1492529	1628305	4.80%	0.658%
48	9.886	1357	1360	1363	rBV2	1051969	1524317	4.50%	0.616%
49	9.916	1363	1365	1369	rVB	1502631	1504247	4.44%	0.608%
50	9.992	1373	1378	1384	rVB3	1413179	2436760	7.19%	0.984%
51	10.086	1388	1394	1398	rBV	4040103	5067170	14.94%	2.047%
52	10.151	1403	1405	1409	rVB	1200776	1188851	3.51%	0.480%
53	10.204	1409	1414	1416	rBV3	1256275	2032225	5.99%	0.821%
54	10.351	1435	1439	1442	rVV2	2489689	3242669	9.56%	1.310%
55	10.445	1452	1455	1457	rBV2	1152140	1215514	3.58%	0.491%
56	10.469	1457	1459	1462	rVB3	958858	890223	2.63%	0.360%
57	10.622	1482	1485	1488	rBV	826265	789852	2.33%	0.319%
58	10.675	1488	1494	1495	rBV	3755033	5854476	17.27%	2.365%
59	10.822	1516	1519	1520	rBV3	700652	786845	2.32%	0.318%
60	10.875	1525	1528	1530	rVV	1248878	1370916	4.04%	0.554%
61	10.904	1530	1533	1536	rVV4	1162779	1745237	5.15%	0.705%
62	10.939	1537	1539	1542	rVB2	1076910	978900	2.89%	0.395%
63	11.016	1550	1552	1556	rVV3	1005364	1156324	3.41%	0.467%
64	11.057	1557	1559	1562	rVB3	709341	732218	2.16%	0.296%
65	11.175	1576	1579	1582	rVB2	850585	930989	2.75%	0.376%
66	11.222	1582	1587	1590	rVV	3739932	4927611	14.53%	1.990%
67	11.257	1590	1593	1597	rVB	2058005	2141020	6.31%	0.865%
68	11.310	1598	1602	1603	rBV	798036	976219	2.88%	0.394%
69	11.345	1603	1608	1611	rVV	3201118	4101227	12.10%	1.657%
70	11.392	1613	1616	1620	rVB3	832835	1087292	3.21%	0.439%
71	11.722	1668	1672	1674	rBV2	1279744	1626980	4.80%	0.657%

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 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
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72	11.751	1674	1677	1682	rVB	3818006	4136746	12.20%	1.671%
73	11.822	1687	1689	1693	rVB	941679	1055452	3.11%	0.426%
74	11.945	1704	1710	1712	rBV	3043569	4881516	14.40%	1.972%
75	11.986	1712	1717	1720	rVV	3646370	5257003	15.50%	2.123%
76	12.027	1721	1724	1727	rVV	939113	921705	2.72%	0.372%
77	12.069	1727	1731	1734	rVV2	1707755	2669568	7.87%	1.078%
78	12.098	1734	1736	1741	rVB2	1397501	1583394	4.67%	0.640%
79	12.222	1754	1757	1759	rBV	756692	762200	2.25%	0.308%
80	12.251	1759	1762	1765	rVB	3158904	3290536	9.70%	1.329%
81	12.298	1766	1770	1772	rBV3	862598	1120642	3.30%	0.453%
82	12.322	1772	1774	1781	rVB3	1028785	1803238	5.32%	0.728%
83	12.392	1782	1786	1788	rBV2	739092	817842	2.41%	0.330%
84	12.427	1788	1792	1795	rBV2	667621	1033145	3.05%	0.417%
85	12.486	1798	1802	1805	rVV	1631444	1912982	5.64%	0.773%
86	12.533	1805	1810	1812	rVV	2168303	2756067	8.13%	1.113%
87	12.557	1812	1814	1818	rVB	1892039	1905229	5.62%	0.770%
88	12.621	1818	1825	1827	rBV3	1914000	2974969	8.77%	1.202%
89	12.657	1827	1831	1834	rVV2	1167010	1473613	4.35%	0.595%
90	12.727	1838	1843	1846	rVB2	2661169	3388099	9.99%	1.368%
91	13.039	1894	1896	1899	rVV2	720500	862245	2.54%	0.348%
92	13.080	1899	1903	1907	rVV	2884816	3788768	11.17%	1.530%
93	13.127	1907	1911	1915	rVB	670872	942286	2.78%	0.381%
94	13.180	1915	1920	1924	rBV2	1631299	2553714	7.53%	1.031%
95	13.280	1931	1937	1941	rVB	2270835	2921754	8.62%	1.180%
96	13.616	1990	1994	1998	rVV2	2384674	2736266	8.07%	1.105%
97	13.721	2008	2012	2015	rBV	789753	794724	2.34%	0.321%
98	14.233	2095	2099	2108	rBV3	546751	922319	2.72%	0.373%
99	14.545	2145	2152	2155	rBV2	894564	1628671	4.80%	0.658%
100	14.580	2155	2158	2162	rVB	781887	854080	2.52%	0.345%

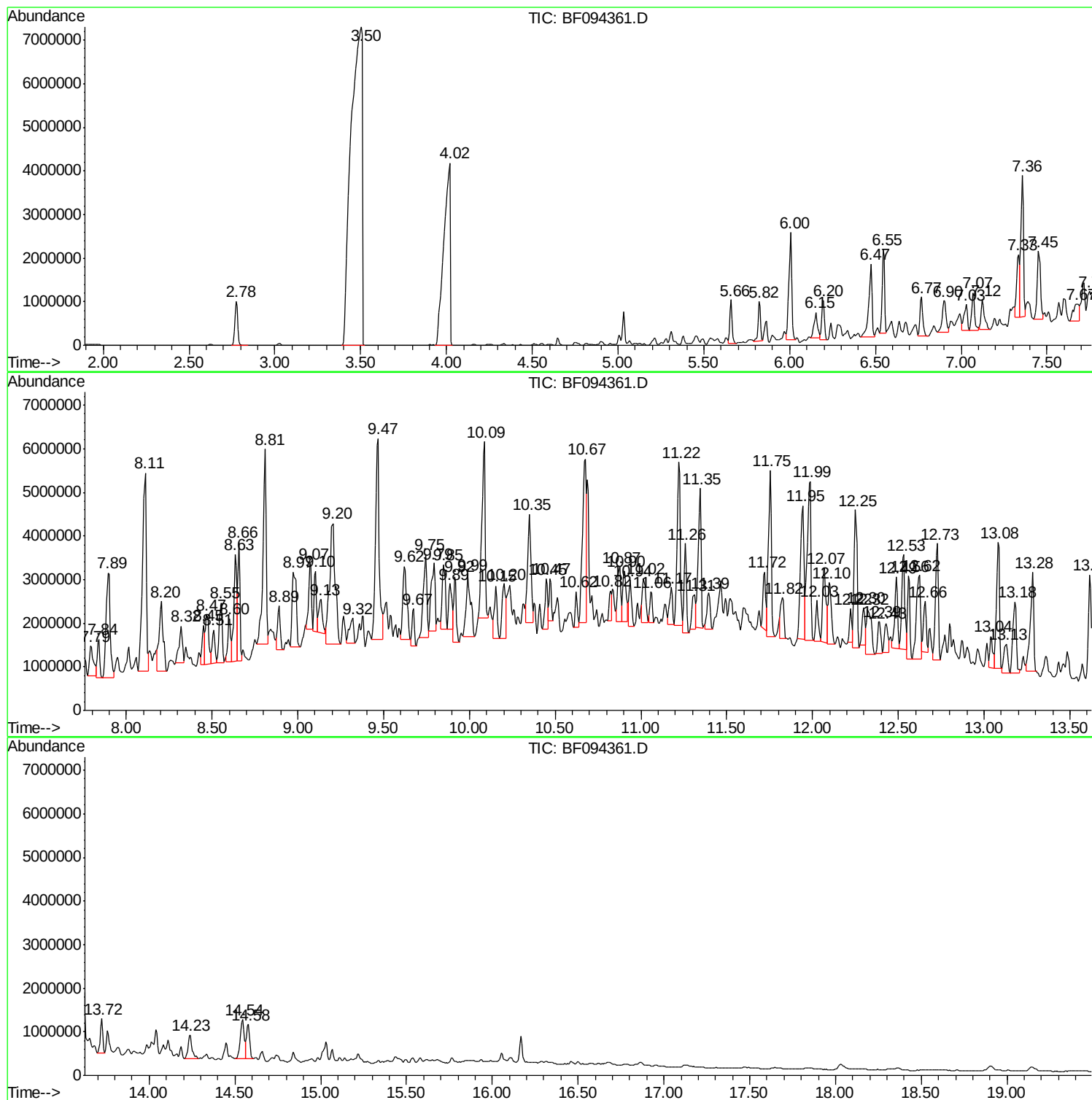
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Instrument :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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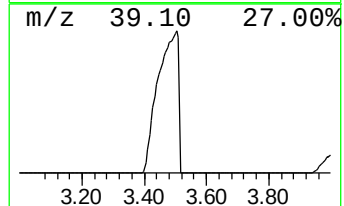
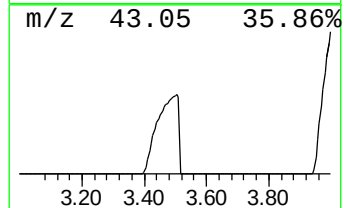
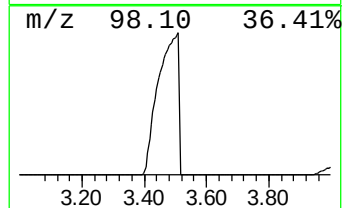
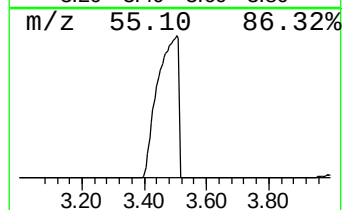
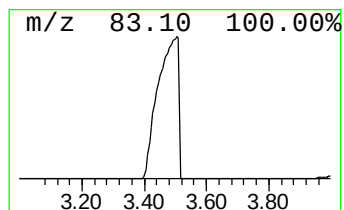
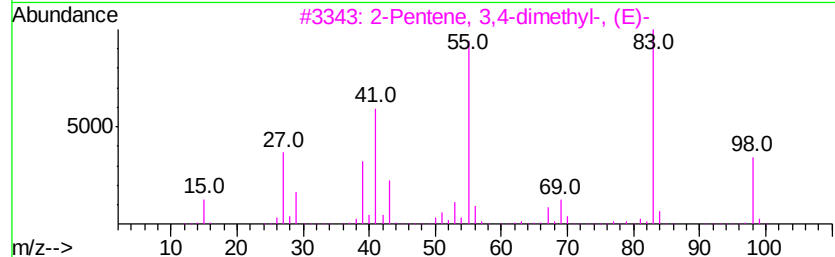
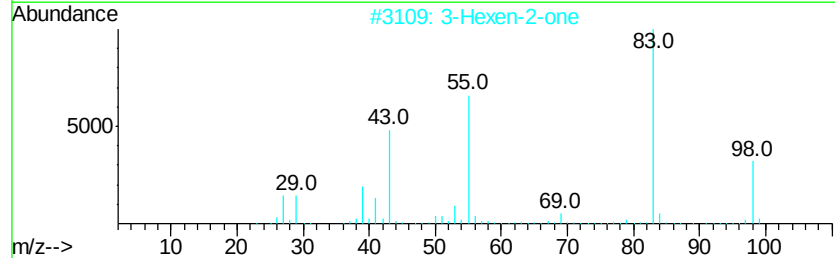
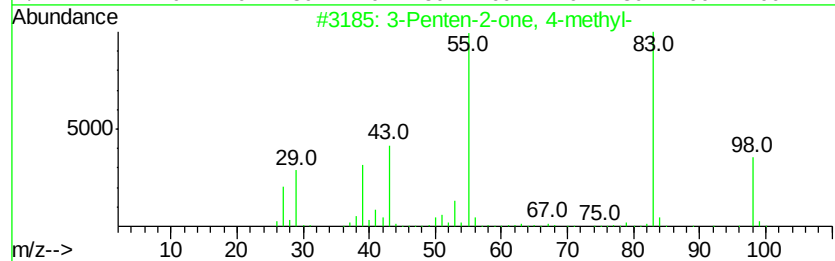
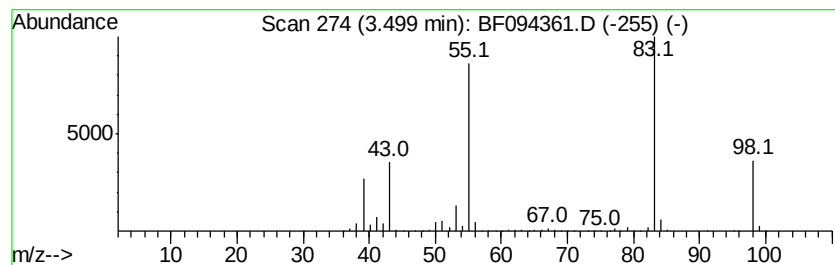
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.50	684.23 ng	33908200	1,4-Dichlorobenzene-d4	5.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	95
2		3-Hexen-2-one	98	C6H10O	000763-93-9	91
3		2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	90
4		2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	86
5		2-Pentene, 4,4-dimethyl-, (Z)-	98	C7H14	000762-63-0	86



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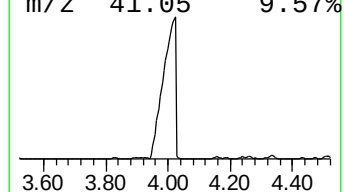
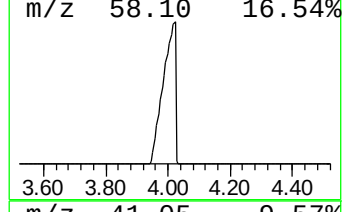
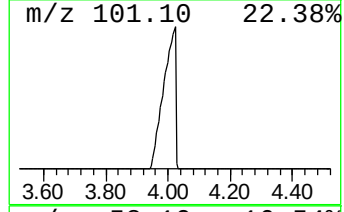
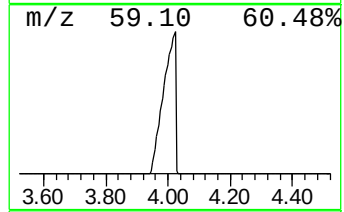
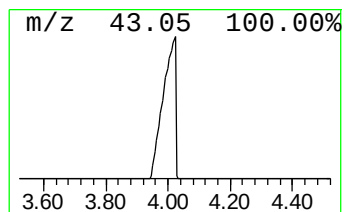
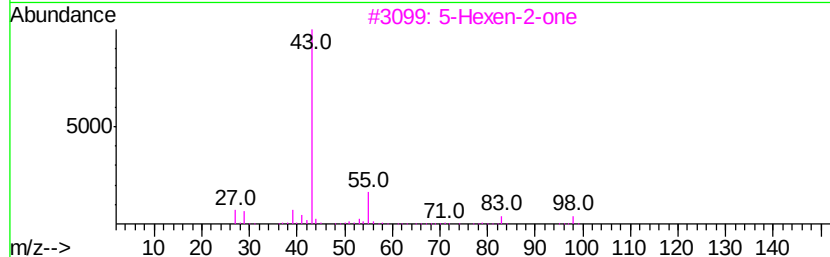
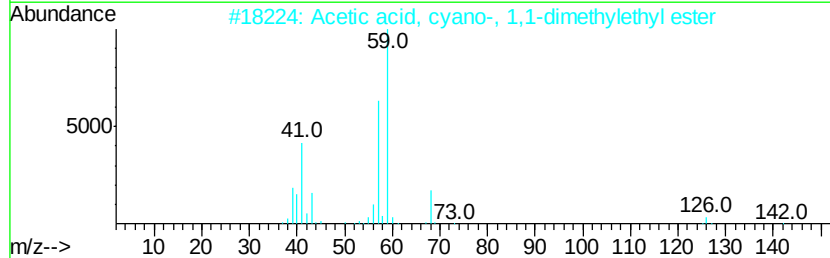
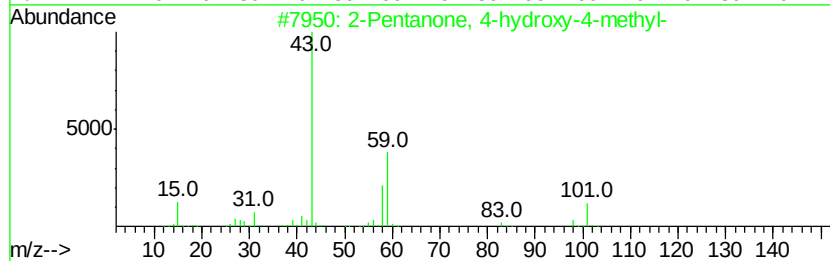
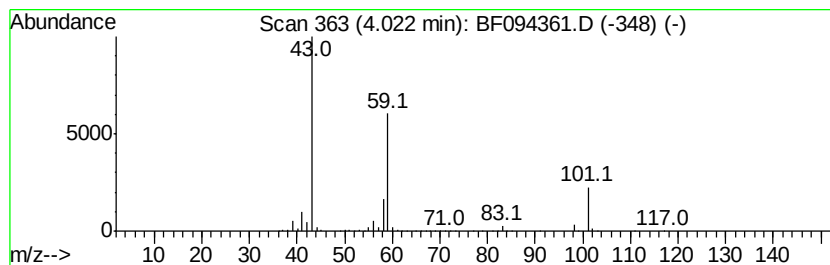
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
4.02	230.55 ng	11425400	1,4-Dichlorobenzene-d4	5.82	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	23
3	5-Hexen-2-one	98	C6H10O	000109-49-9	9
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	9



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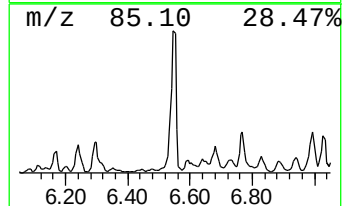
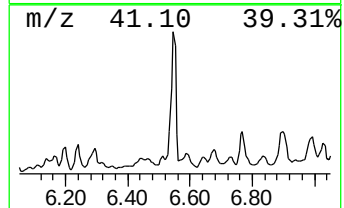
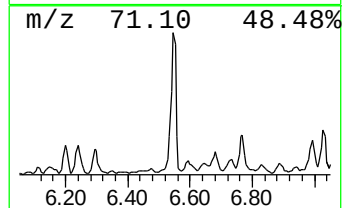
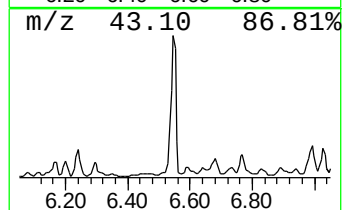
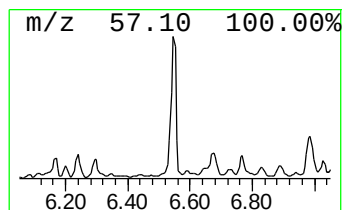
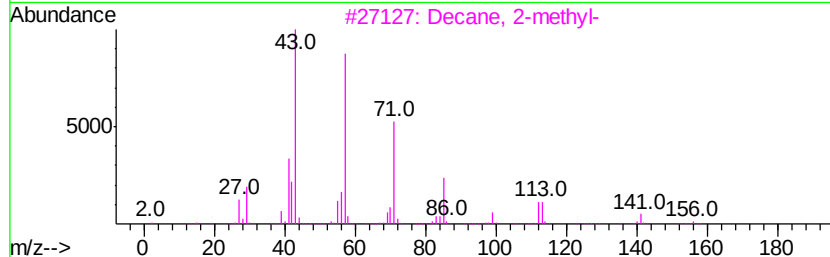
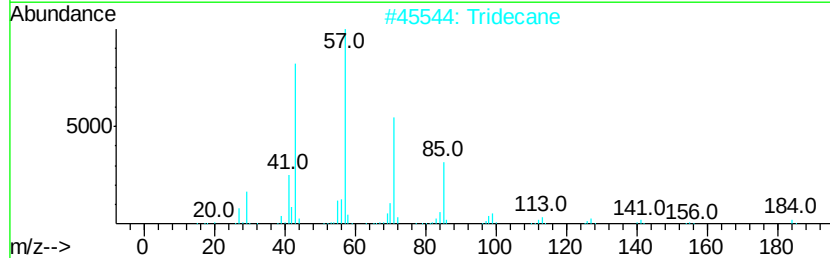
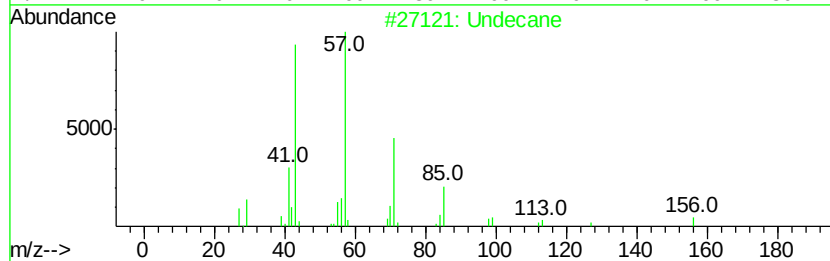
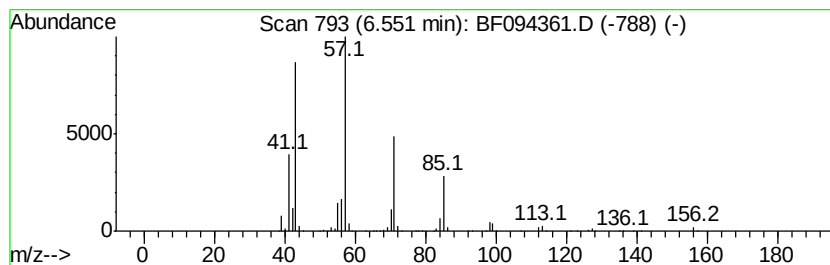
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Undecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.55	40.64 ng	2013820	1,4-Dichlorobenzene-d4	5.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane	156	C11H24	001120-21-4	90
2		Tridecane	184	C13H28	000629-50-5	83
3		Decane, 2-methyl-	156	C11H24	006975-98-0	80
4		Hexadecane	226	C16H34	000544-76-3	78
5		Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041117\
Data File : BF094361.D
Acq On : 11 Apr 2017 20:19
Operator : SJ/MA
Sample : I2622-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
E2-CONCRETE-BATCH-5

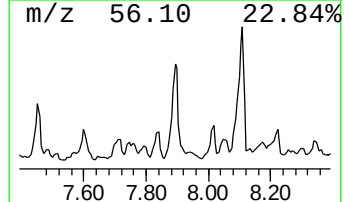
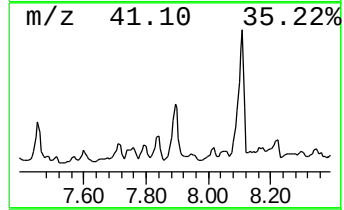
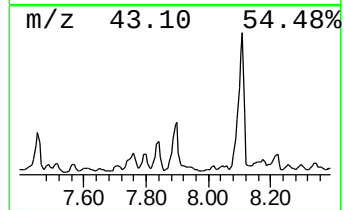
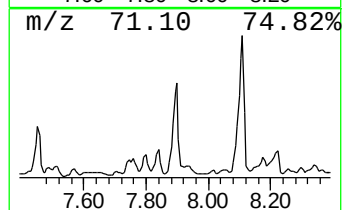
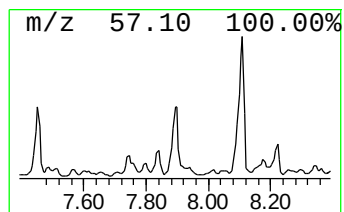
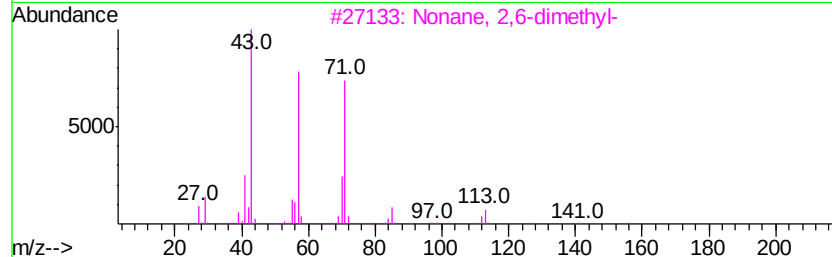
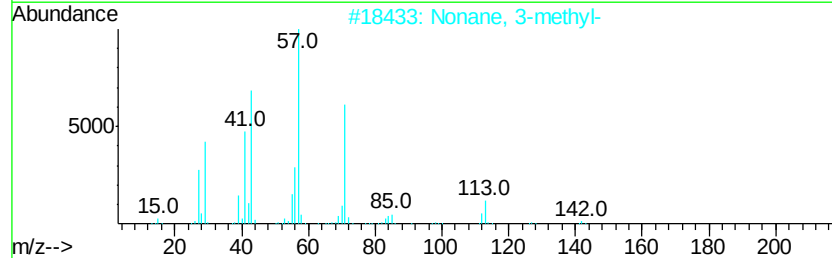
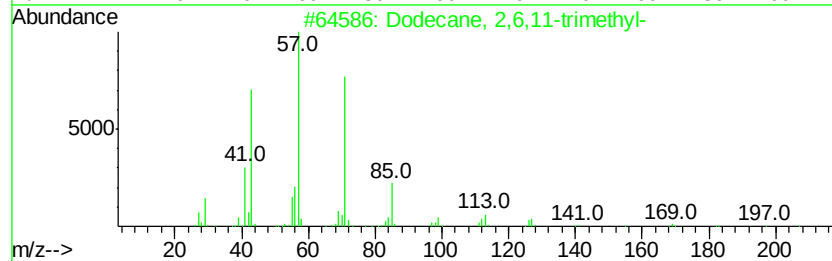
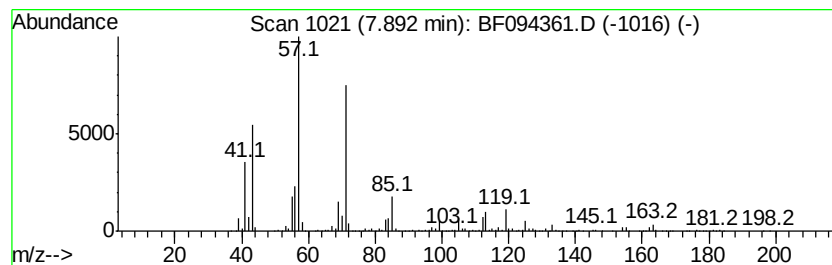
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Dodecane, 2,6,11-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.89	38.61 ng	3664910	Napthalene-d8	7.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	72
2		Nonane, 3-methyl-	142	C10H22	005911-04-6	72
3		Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	59
4		Octane, 2,3,6-trimethyl-	156	C11H24	062016-33-5	53
5		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	53



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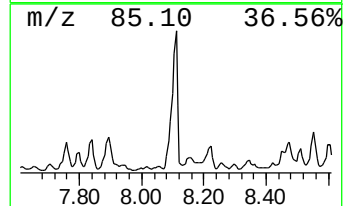
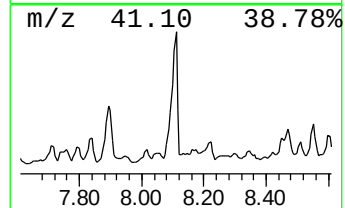
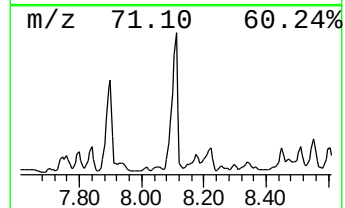
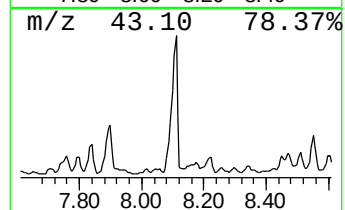
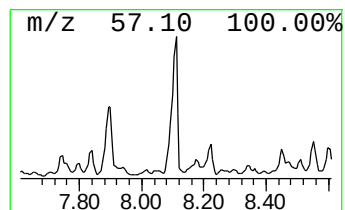
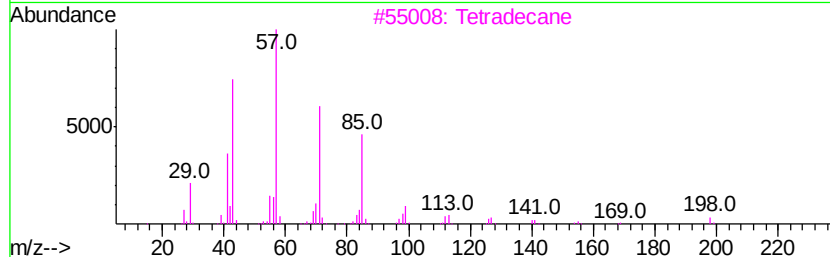
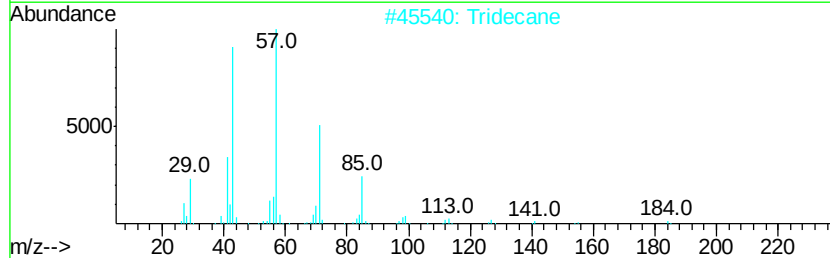
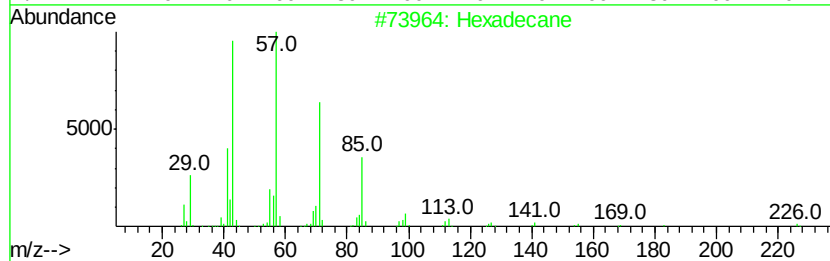
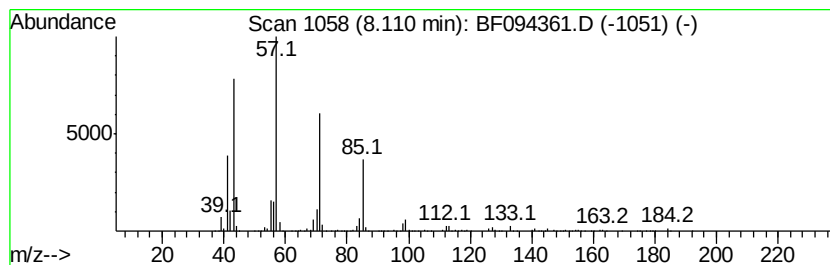
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Hexadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.11	66.16 ng	6280060	Naphthalene-d8	7.33

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane		226	C16H34	000544-76-3	91
2	Tridecane		184	C13H28	000629-50-5	90
3	Tetradecane		198	C14H30	000629-59-4	90
4	Undecane, 2,3-dimethyl-		184	C13H28	017312-77-5	90
5	Nonane, 5-butyl-		184	C13H28	017312-63-9	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041117\
Data File : BF094361.D
Acq On : 11 Apr 2017 20:19
Operator : SJ/MA
Sample : I2622-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
E2-CONCRETE-BATCH-5

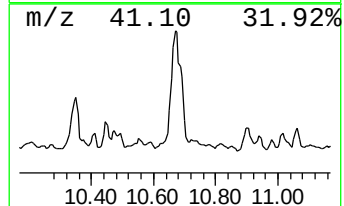
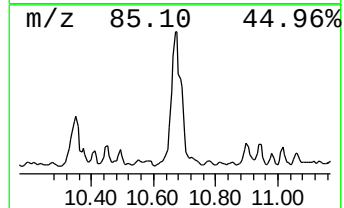
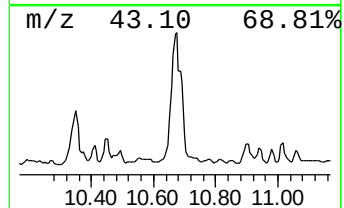
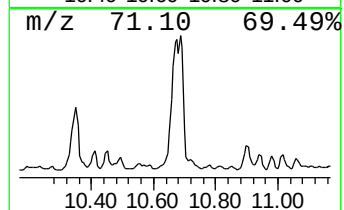
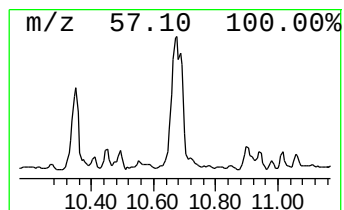
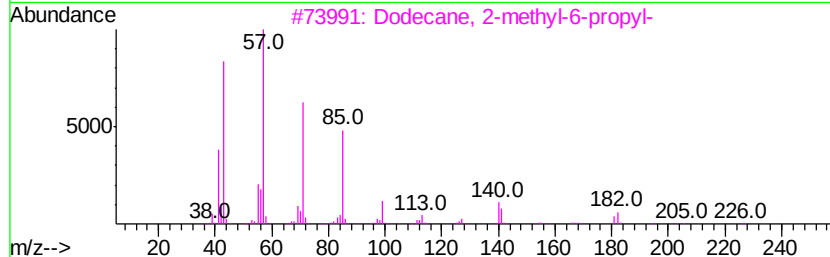
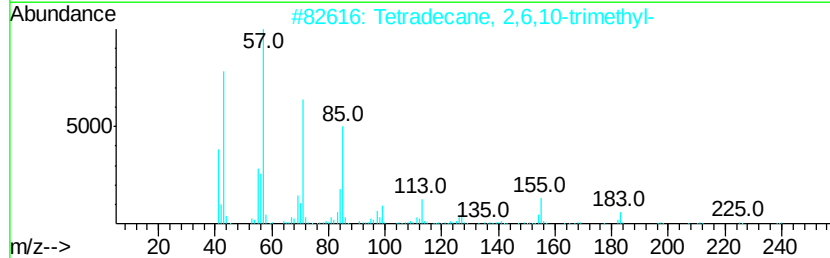
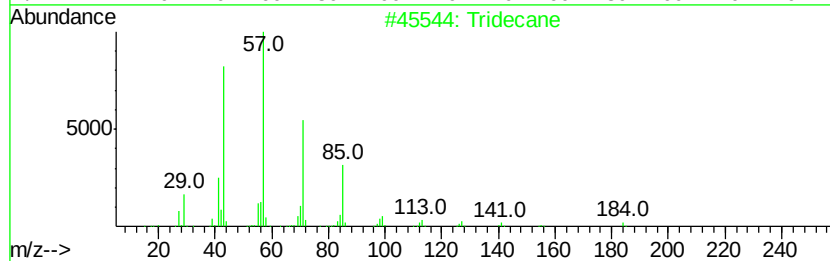
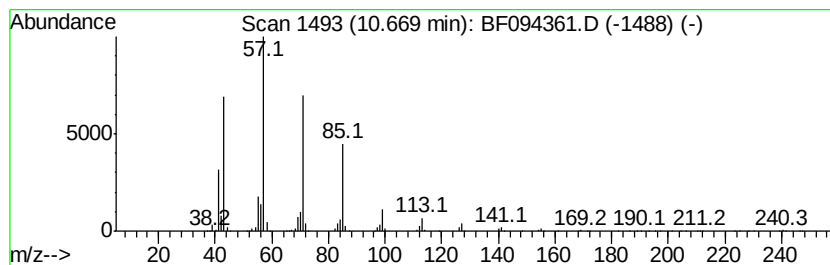
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Tridecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.67	119.94 ng	5854480	Phenanthrene-d10	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane	184	C13H28	000629-50-5	90
2		Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	86
3		Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	86
4		Heneicosane	296	C21H44	000629-94-7	83
5		Dodecane, 1-iodo-	296	C12H25I	004292-19-7	80



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041117\
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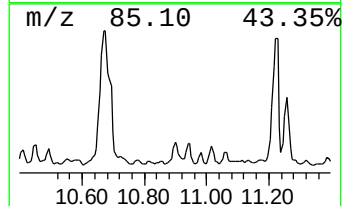
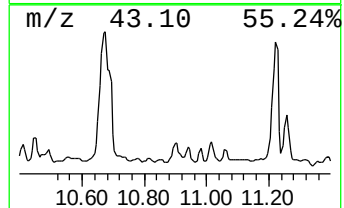
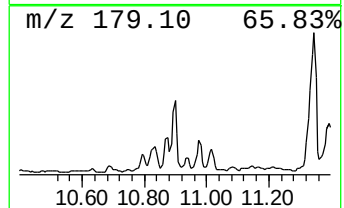
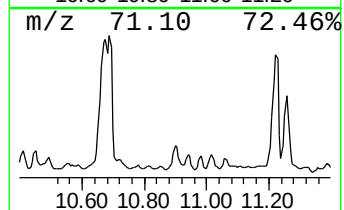
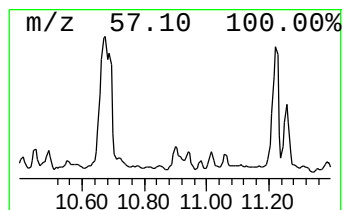
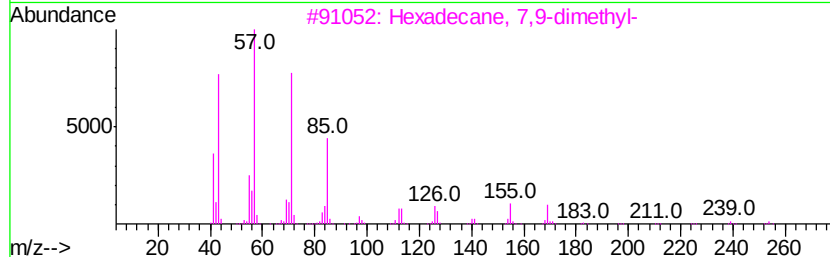
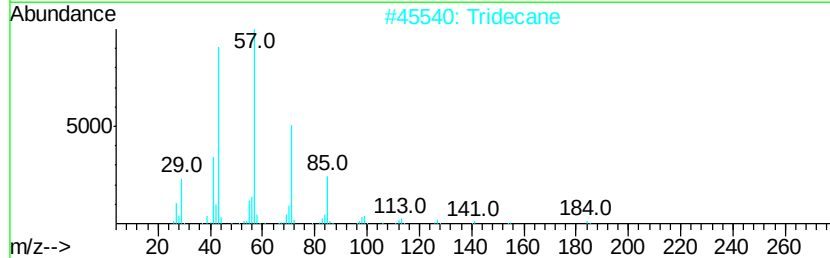
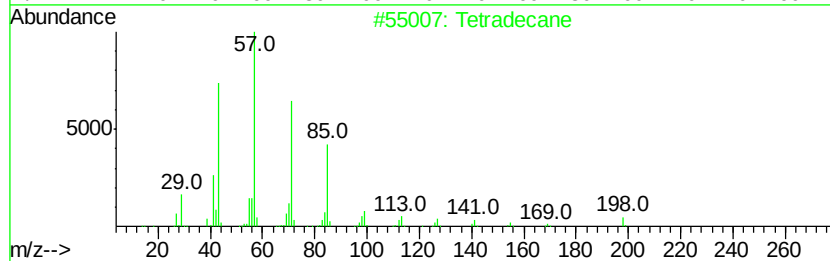
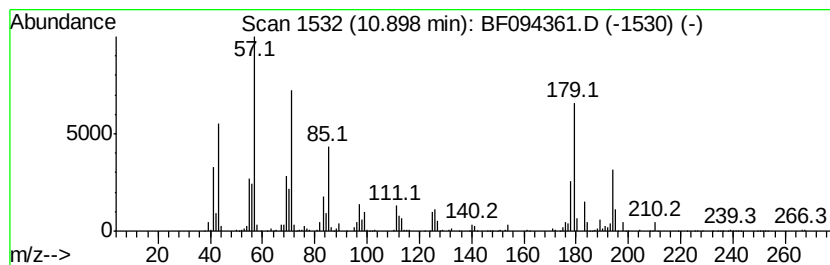
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Tetradecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.90	35.76 ng	1745240	Phenanthrene-d10		11.30	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tetradecane	198	C14H30	000629-59-4	50
2		Tridecane	184	C13H28	000629-50-5	50
3		Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	46
4		Undecane, 2-methyl-	170	C12H26	007045-71-8	45
5		Tetradecane, 4-methyl-	212	C15H32	025117-24-2	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041117\
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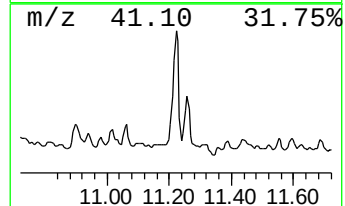
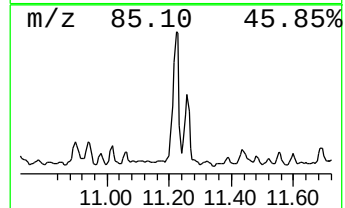
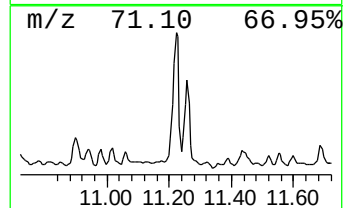
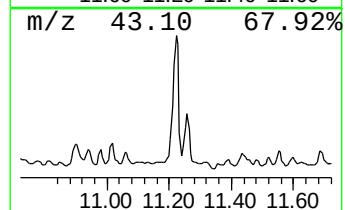
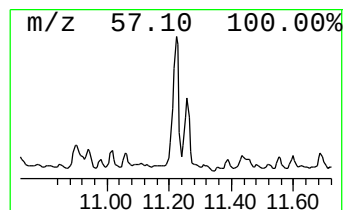
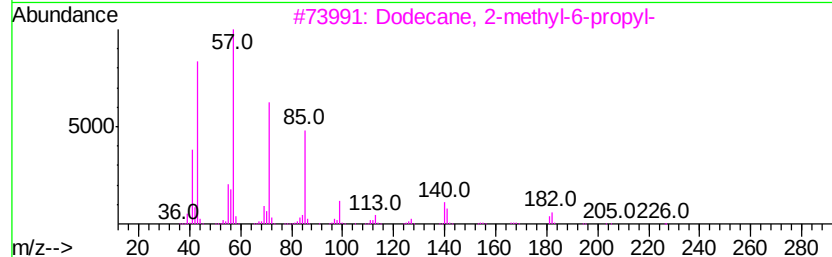
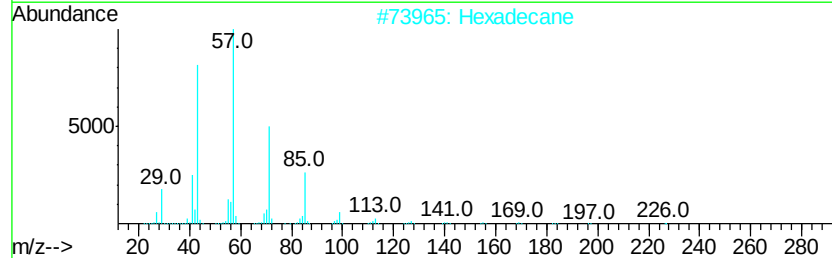
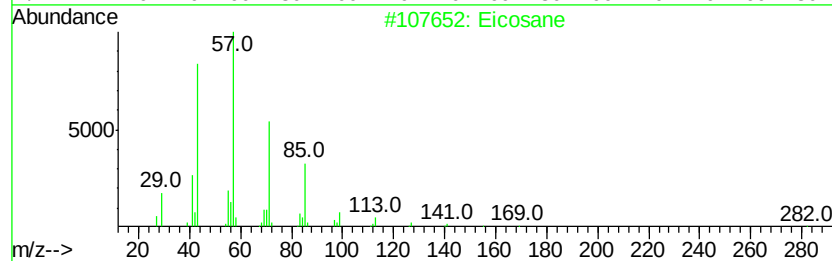
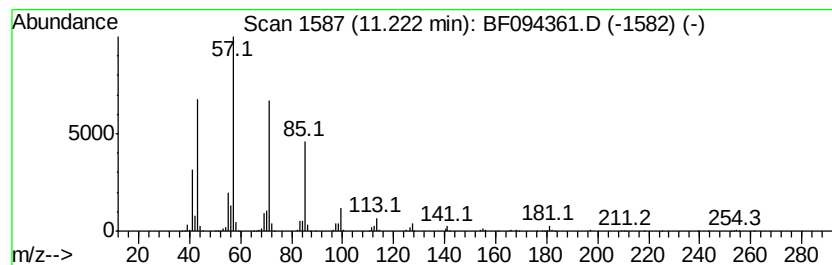
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Eicosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	100.95 ng	4927610	Phenanthrene-d10	11.30

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane		282	C20H42	000112-95-8	91
2	Hexadecane		226	C16H34	000544-76-3	90
3	Dodecane, 2-methyl-6-propyl-		226	C16H34	055045-08-4	86
4	Dodecane, 1-iodo-		296	C12H25I	004292-19-7	86
5	Undecane		156	C11H24	001120-21-4	80



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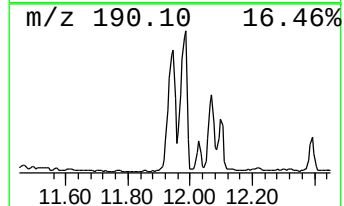
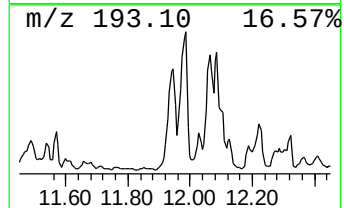
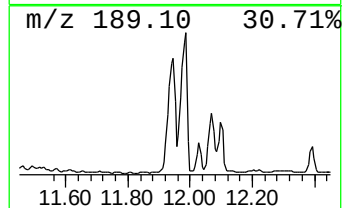
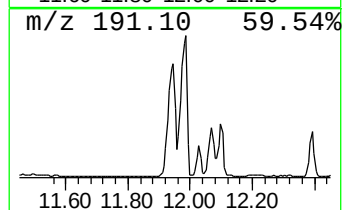
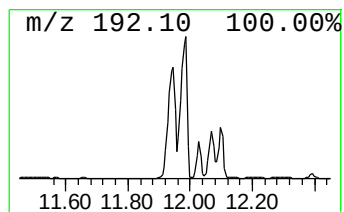
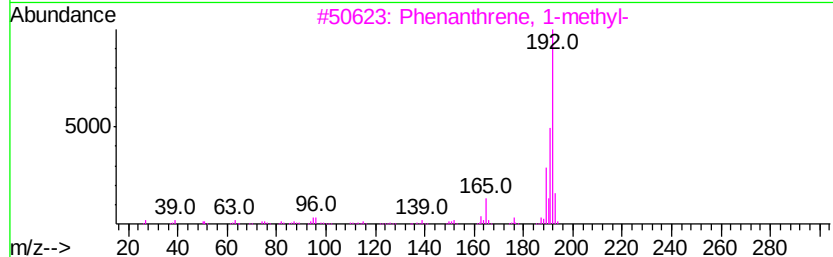
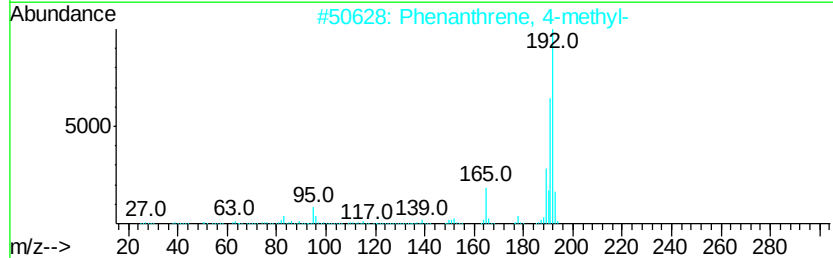
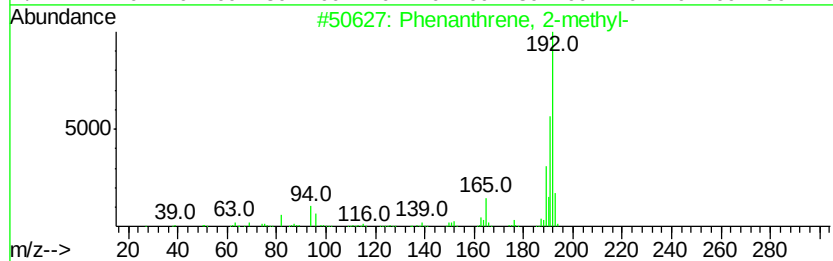
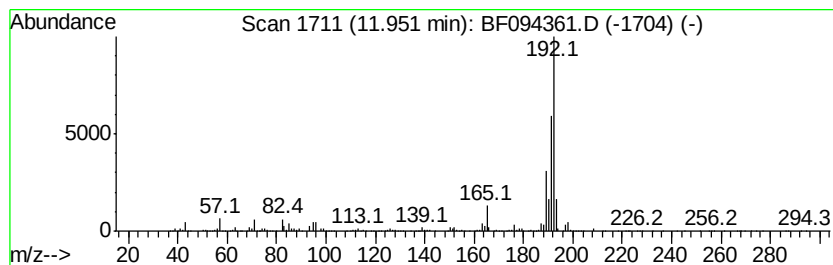
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	100.01 ng	4881520	Phenanthrene-d10	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91



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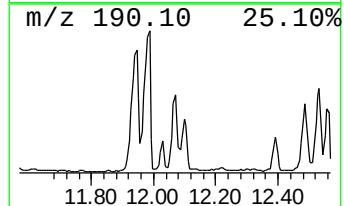
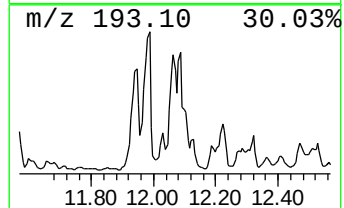
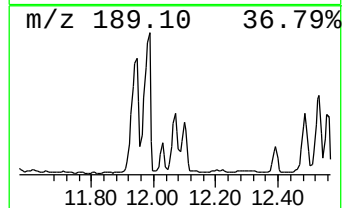
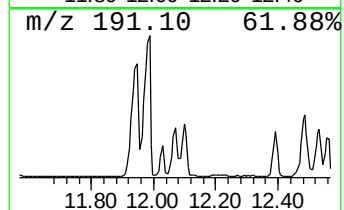
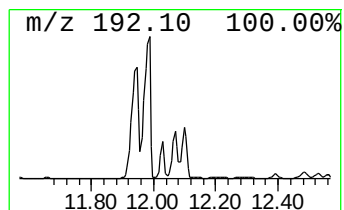
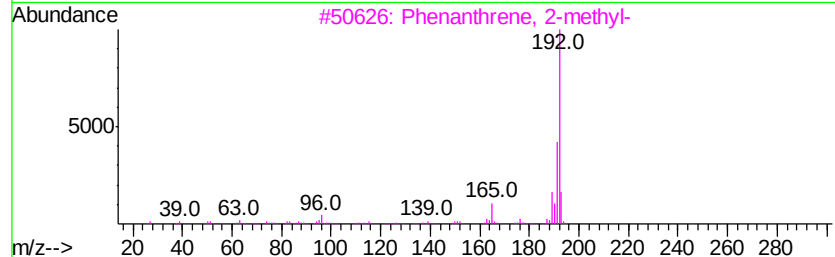
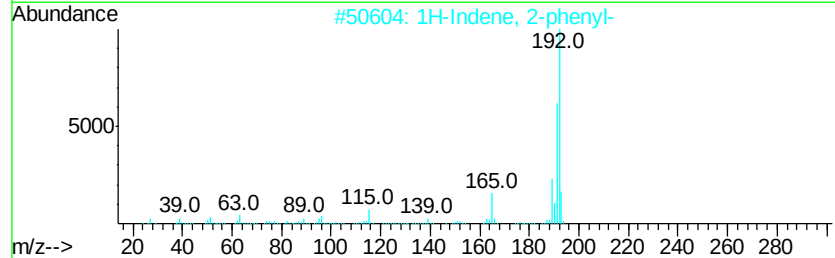
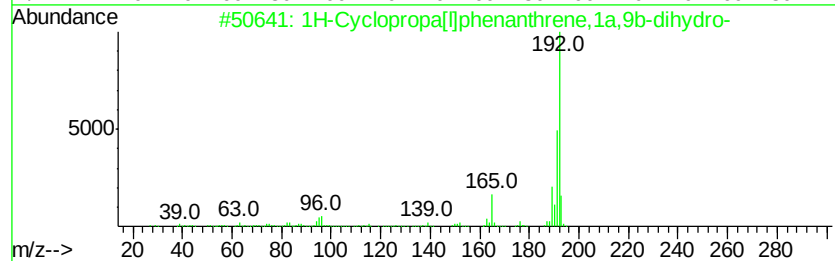
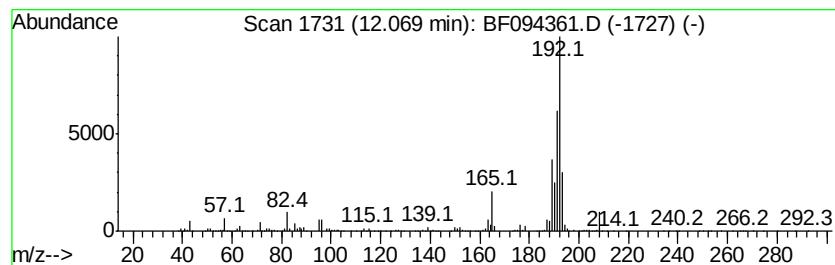
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 1H-Cyclopropa[l]phenanthren... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	54.69 ng	2669570	Phenanthrene-d10	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	93
2		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	76
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	70
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	70
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	70



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041117\
Data File : BF094361.D
Acq On : 11 Apr 2017 20:19
Operator : SJ/MA
Sample : I2622-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-BATCH-5

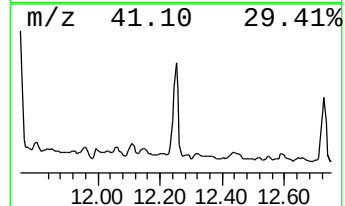
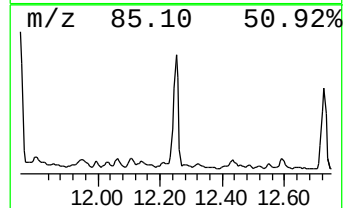
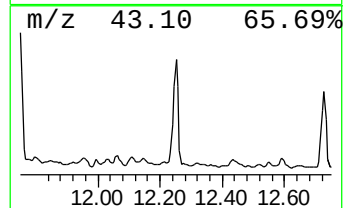
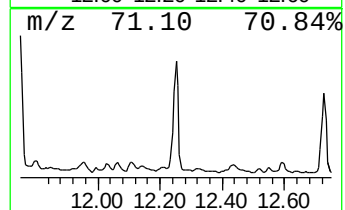
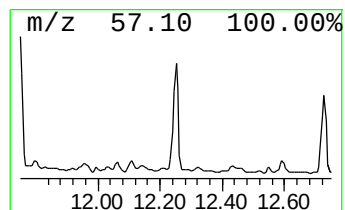
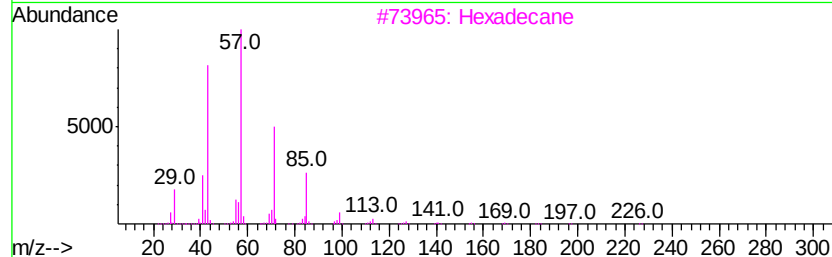
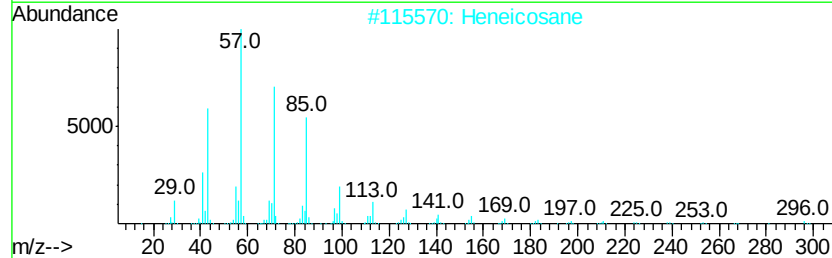
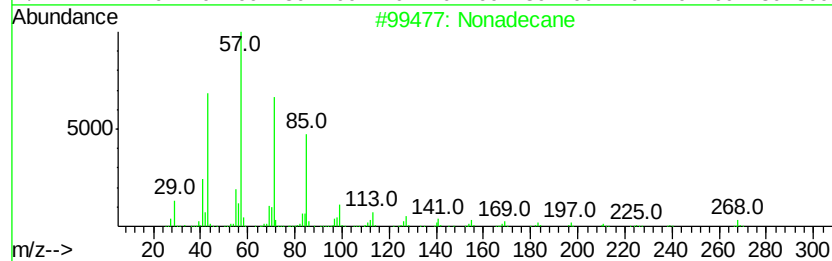
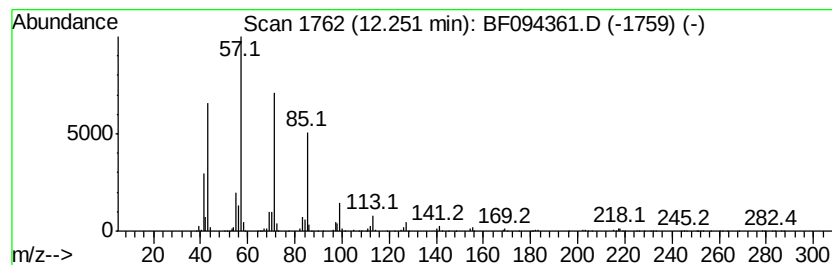
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Nonadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	67.41 ng	3290540	Phenanthrene-d10	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonadecane	268	C19H40	000629-92-5	91
2		Heneicosane	296	C21H44	000629-94-7	90
3		Hexadecane	226	C16H34	000544-76-3	90
4		Tridecane, 1-iodo-	310	C13H27I	035599-77-0	90
5		Eicosane	282	C20H42	000112-95-8	83



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041117\
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Acq On : 11 Apr 2017 20:19
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ClientSampleId :
E2-CONCRETE-BATCH-5

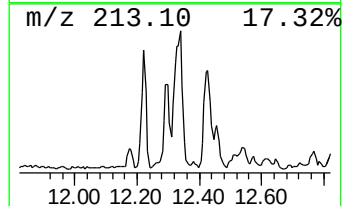
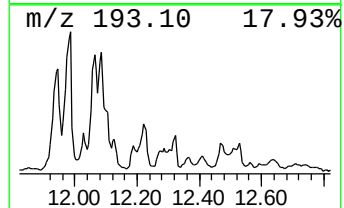
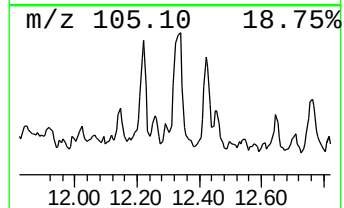
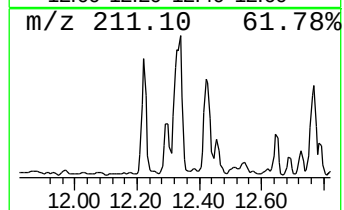
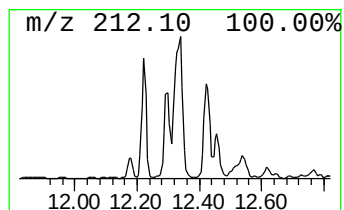
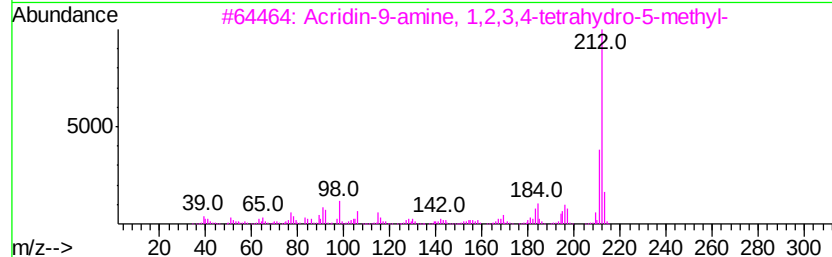
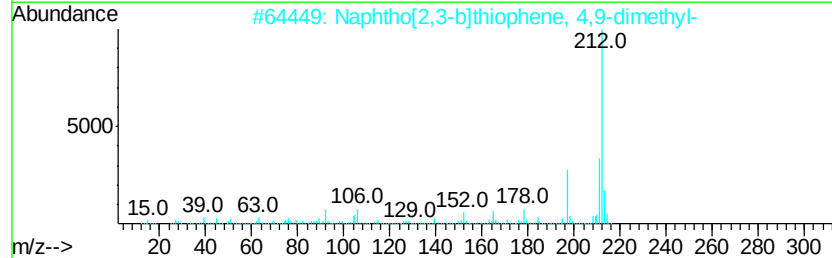
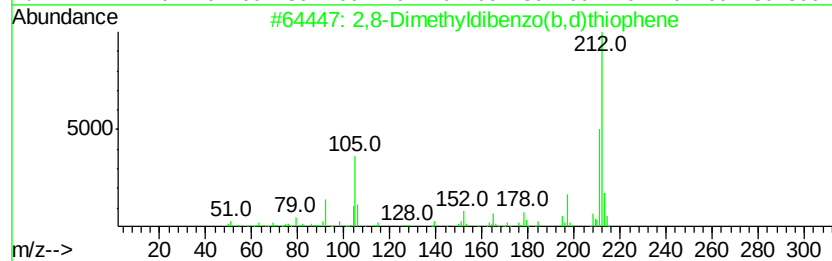
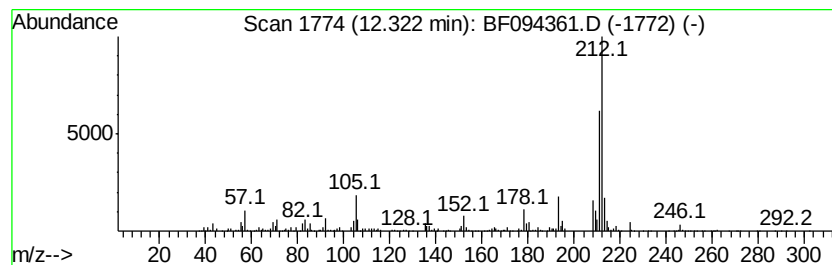
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 2,8-Dimethyldibenzo(b,d)thi... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	36.94 ng	1803240	Phenanthrene-d10	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,8-Dimethyldibenzo(b,d)thiophene	212	C14H12S	001207-15-4	72
2		Naphtho[2,3-b]thiophene, 4,9-dim...	212	C14H12S	016587-34-1	62
3		Acridin-9-amine, 1,2,3,4-tetrahy...	212	C14H16N2	005778-78-9	53
4		2-PHENAZINYL THIOL	212	C12H8N2S	1000239-97-8	47
5		5-Cyano-1,2,3,4-tetrahydro-6-met...	212	C13H12N2O	027036-92-6	47



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041117\
Data File : BF094361.D
Acq On : 11 Apr 2017 20:19
Operator : SJ/MA
Sample : I2622-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
E2-CONCRETE-BATCH-5

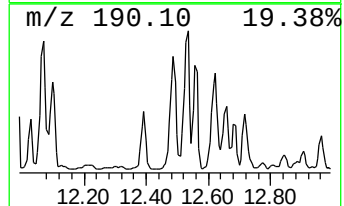
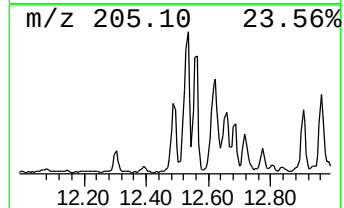
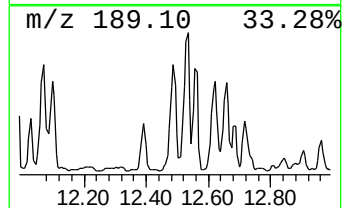
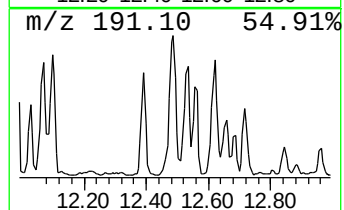
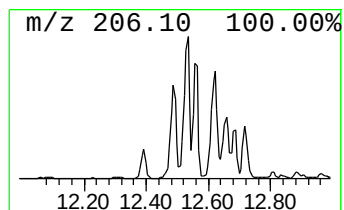
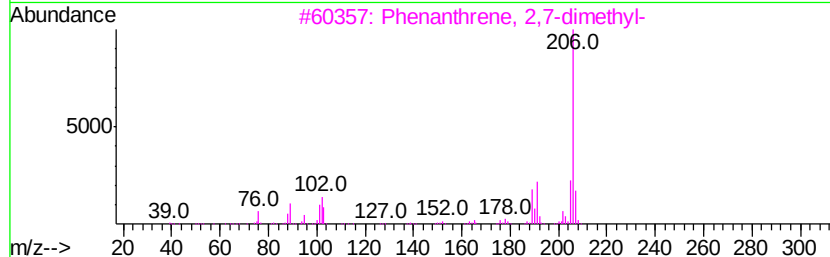
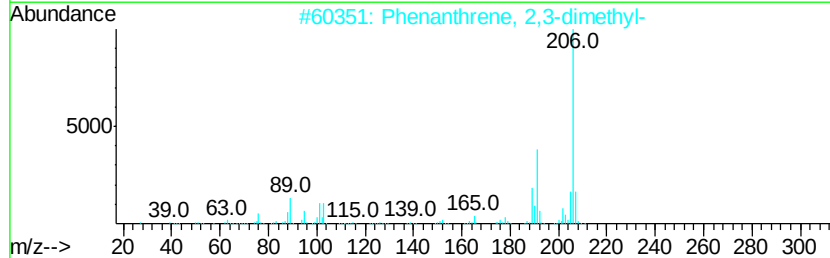
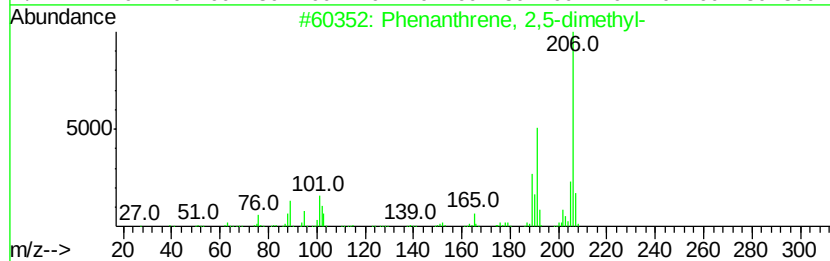
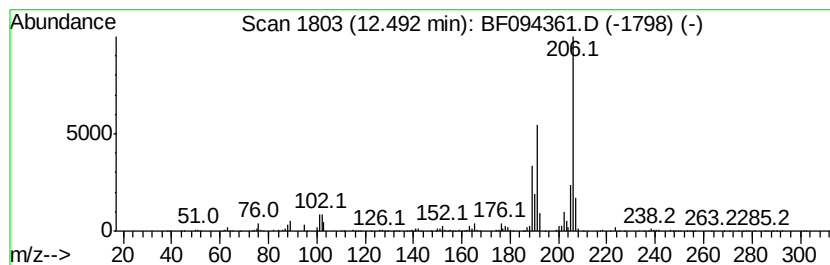
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	39.19 ng	1912980	Phenanthrene-d10	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
3		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
4		9,10-Dimethylantracene	206	C16H14	000781-43-1	83
5		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041117\
Data File : BF094361.D
Acq On : 11 Apr 2017 20:19
Operator : SJ/MA
Sample : I2622-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
E2-CONCRETE-BATCH-5

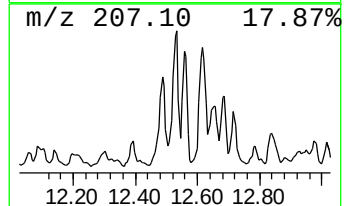
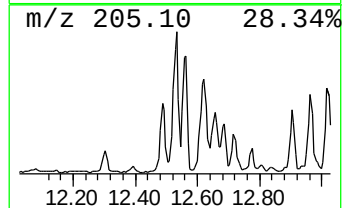
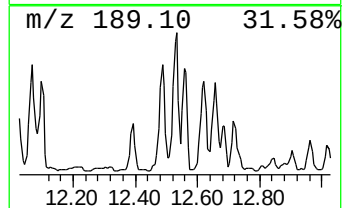
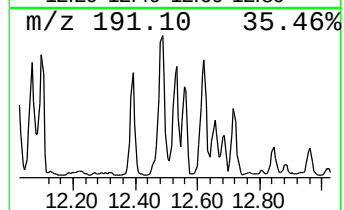
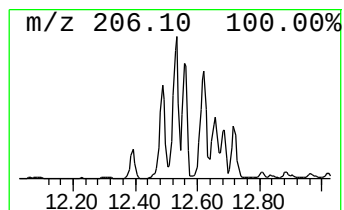
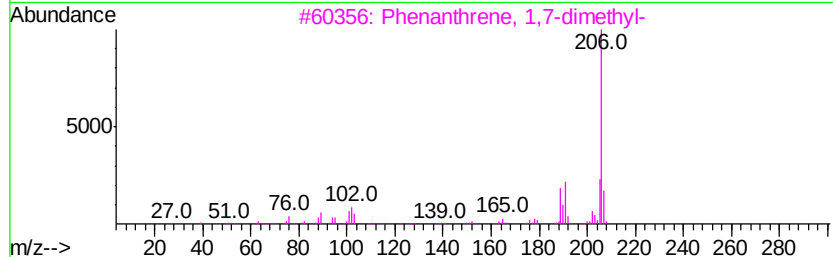
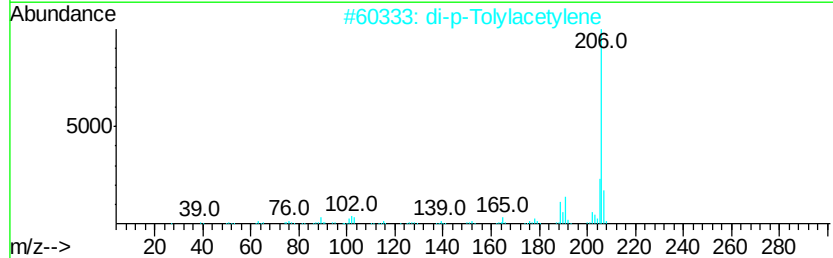
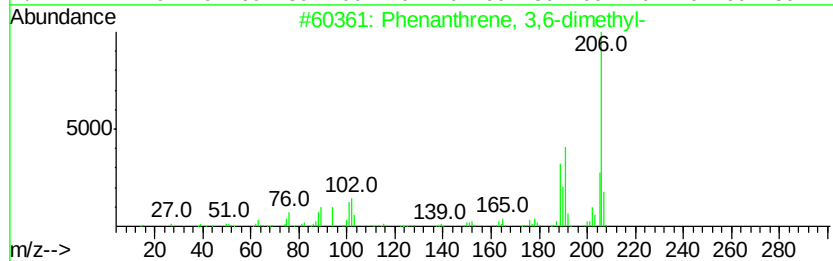
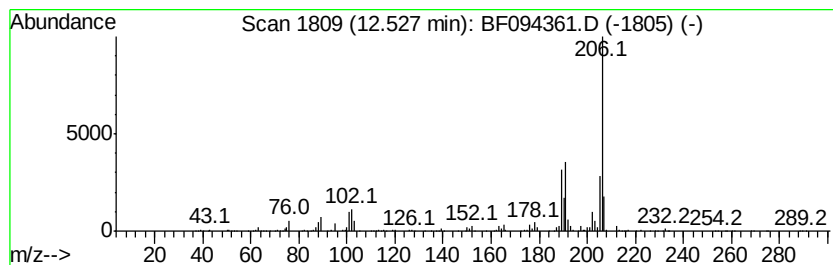
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Phenanthrene, 3,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	56.46 ng	2756070	Phenanthrene-d10	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	97
2		di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
5		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041117\
Data File : BF094361.D
Acq On : 11 Apr 2017 20:19
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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
E2-CONCRETE-BATCH-5

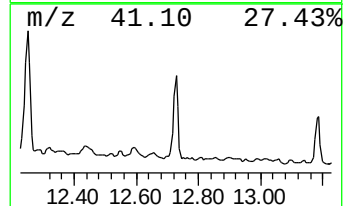
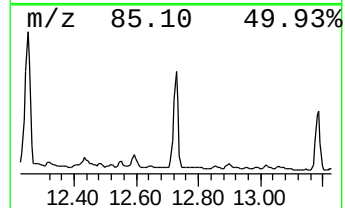
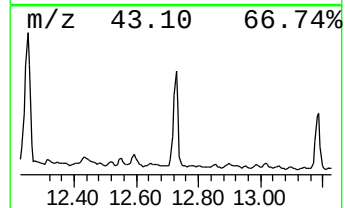
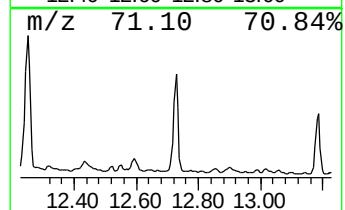
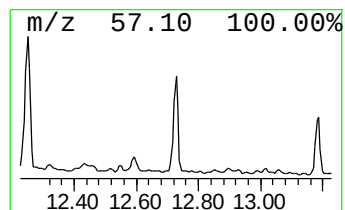
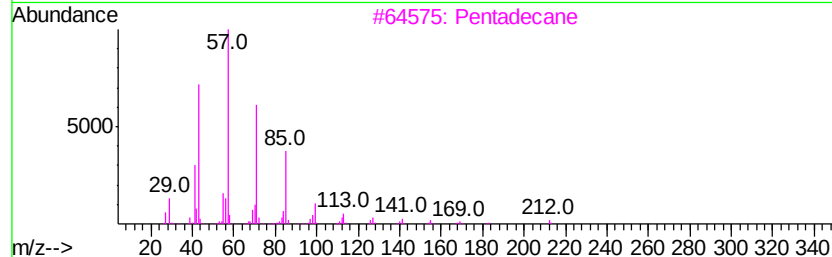
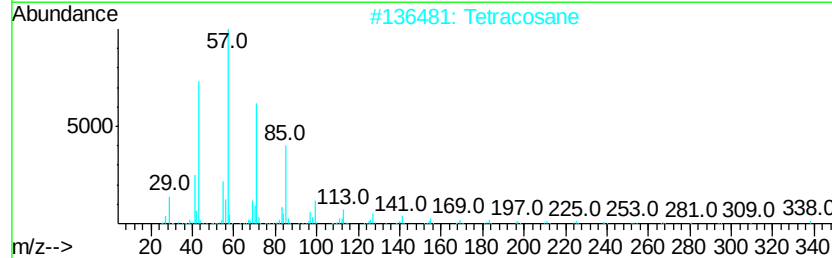
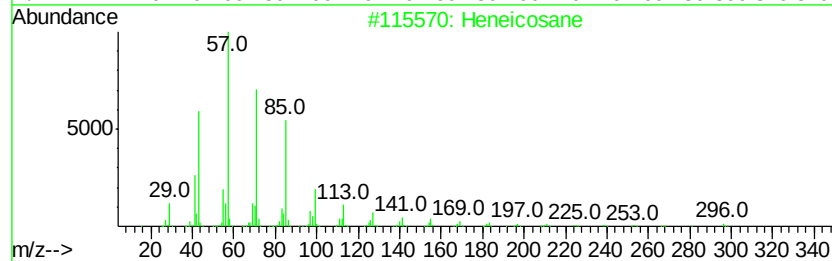
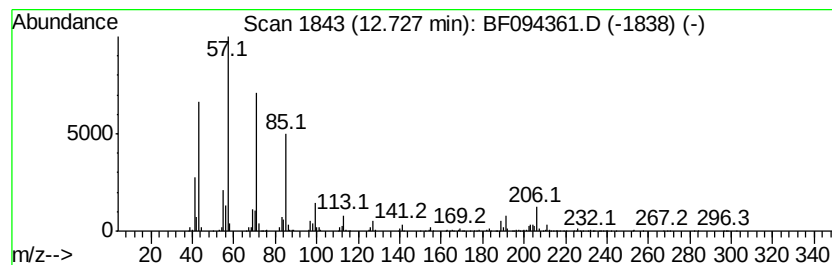
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Heneicosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.73	69.41 ng	3388100	Phenanthrene-d10	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	83
2		Tetracosane	338	C24H50	000646-31-1	83
3		Pentadecane	212	C15H32	000629-62-9	83
4		Eicosane	282	C20H42	000112-95-8	80
5		Tridecane, 1-iodo-	310	C13H27I	035599-77-0	80



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041117\
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 Sample : I2622-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
3-Penten-2-one, 4...	3.50	684.2	ng	33908200	1	5.82	991128	20.0
2-Pentanone, 4-hy...	4.02	230.6	ng	11425400	1	5.82	991128	20.0
Undecane	6.55	40.6	ng	2013820	1	5.82	991128	20.0
Dodecane, 2,6,11-...	7.89	38.6	ng	3664910	2	7.33	1898520	20.0
Hexadecane	8.11	66.2	ng	6280060	2	7.33	1898520	20.0
Tridecane	10.67	119.9	ng	5854480	4	11.30	976219	20.0
Tetradecane	10.90	35.8	ng	1745240	4	11.30	976219	20.0
Eicosane	11.22	101.0	ng	4927610	4	11.30	976219	20.0
Phenanthrene, 2-m...	11.95	100.0	ng	4881520	4	11.30	976219	20.0
1H-Cyclopropa[l]p...	12.07	54.7	ng	2669570	4	11.30	976219	20.0
Nonadecane	12.25	67.4	ng	3290540	4	11.30	976219	20.0
2,8-Dimethyldiben...	12.32	36.9	ng	1803240	4	11.30	976219	20.0
Phenanthrene, 2,5...	12.49	39.2	ng	1912980	4	11.30	976219	20.0
Phenanthrene, 3,6...	12.53	56.5	ng	2756070	4	11.30	976219	20.0
Heneicosane	12.73	69.4	ng	3388100	4	11.30	976219	20.0