LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020918\
Data File : BF102883.D
Acq On : 9 Feb 2018 12:44
Operator : SJ/JU
Sample : J1485-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-215

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.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	2.146	5	10	16	rVB	333256	427980	12.30%	0.724%
2	5.110	511	514	521	rVB	104720	123414	3.55%	0.209%
3	5.504	577	581	584	rBV	3611601	3384936	97.26%	5.730%
4	6.516	748	753	758	rBV	3123557	3480127	100.00%	5.891%
5	6.657	772	777	780	rBV	3691680	3350666	96.28%	5.672%
6	6.887	812	816	819	rBV	1236369	1038013	29.83%	1.757%
7	7.040	838	842	846	rBV	2760618	2555173	73.42%	4.325%
8	7.445	907	911	914	rBV	2405521	2183132	62.73%	3.696%
9	8.169	1030	1034	1036	rBV	1478128	1276126	36.67%	2.160%
10	8.187	1036	1037	1041	rVB	697454	524419	15.07%	0.888%
11	8.881	1152	1155	1159	rBV	263671	211452	6.08%	0.358%
12	8.981	1168	1172	1176	rVB	178470	144116	4.14%	0.244%
13	9.239	1212	1216	1220	rBV	2997862	2816857	80.94%	4.768%
14	9.345	1231	1234	1237	rVB	69350	63362	1.82%	0.107%
15	9.510	1257	1262	1266	rBV	71504	96365	2.77%	0.163%
16	9.581	1270	1274	1277	rBV	142131	153381	4.41%	0.260%
17	9.634	1280	1283	1290	rVB	289782	267595	7.69%	0.453%
18	9.698	1290	1294	1296	rBV	85230	72243	2.08%	0.122%
19	9.786	1306	1309	1312	rVB	95858	91230	2.62%	0.154%
20	9.845	1315	1319	1324	rVB	164106	136339	3.92%	0.231%
21	9.928	1329	1333	1336	rVV	1283763	1215867	34.94%	2.058%
22	9.957	1336	1338	1341	rVB	380374	283712	8.15%	0.480%
23	10.022	1346	1349	1354	rVB2	37502	54329	1.56%	0.092%
24	10.081	1354	1359	1362	rBV3	80384	100993	2.90%	0.171%
25	10.128	1362	1367	1371	rVV2	261689	258278	7.42%	0.437%
26	10.163	1371	1373	1378	rVB3	78744	70970	2.04%	0.120%
27	10.239	1382	1386	1388	rBV2	57110	58547	1.68%	0.099%
28	10.322	1397	1400	1402	rBV2	104894	113512	3.26%	0.192%
29	10.345	1402	1404	1407	rVB	207260	160002	4.60%	0.271%
30	10.469	1422	1425	1431	rVB	366531	363601	10.45%	0.616%
31	10.557	1438	1440	1443	rVB3	85211	86792	2.49%	0.147%
32	10.628	1449	1452	1458	rVB	108465	117933	3.39%	0.200%
33	10.716	1463	1467	1473	rVV	1654692	1687402	48.49%	2.856%
34	10.822	1482	1485	1494	rVB3	189301	280564	8.06%	0.475%

LSC Area Percent Report

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Acq On : 9 Feb 2018 12:44
Operator : SJ/JU
Sample : J1485-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-215

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.910	1497	1500	1505	rVV4	43597	59892	1.72%	0.101%
36	10.975	1508	1511	1513	rVV	53361	55590	1.60%	0.094%
37	11.022	1513	1519	1521	rVV3	132875	196605	5.65%	0.333%
38	11.045	1521	1523	1530	rVV3	103088	190783	5.48%	0.323%
39	11.104	1530	1533	1536	rVV	92347	90923	2.61%	0.154%
40	11.145	1536	1540	1542	rVV4	76330	108254	3.11%	0.183%
41	11.169	1542	1544	1550	rVV4	86477	120984	3.48%	0.205%
42	11.216	1550	1552	1555	rVV2	111218	99332	2.85%	0.168%
43	11.269	1556	1561	1564	rVV3	228972	264649	7.60%	0.448%
44	11.310	1564	1568	1573	rVB2	219922	255264	7.33%	0.432%
45	11.416	1582	1586	1588	rBV	1186663	1230275	35.35%	2.083%
46	11.439	1588	1590	1594	rVV	2868739	2474375	71.10%	4.189%
47	11.486	1596	1598	1601	rVV	740892	691487	19.87%	1.171%
48	11.522	1601	1604	1607	rVV2	105228	138575	3.98%	0.235%
49	11.639	1618	1624	1630	rVV2	243252	364041	10.46%	0.616%
50	11.698	1631	1634	1639	rVV2	101754	170454	4.90%	0.289%
51	11.745	1639	1642	1647	rVV2	106399	127689	3.67%	0.216%
52	11.798	1648	1651	1653	rVV3	51816	56060	1.61%	0.095%
53	11.916	1665	1671	1673	rBV	500303	545297	15.67%	0.923%
54	11.945	1673	1676	1679	rVB	575334	562488	16.16%	0.952%
55	11.992	1681	1684	1686	rBV	205775	178934	5.14%	0.303%
56	12.028	1686	1690	1692	rBV2	605176	642482	18.46%	1.088%
57	12.051	1692	1694	1697	rVB	350534	266353	7.65%	0.451%
58	12.104	1700	1703	1705	rBV2	85394	90868	2.61%	0.154%
59	12.210	1718	1721	1723	rBV	293268	233121	6.70%	0.395%
60	12.233	1723	1725	1728	rVV2	167773	149451	4.29%	0.253%
61	12.357	1744	1746	1749	rBV	98626	78235	2.25%	0.132%
62	12.386	1749	1751	1754	rVV2	114070	104576	3.00%	0.177%
63	12.416	1754	1756	1758	rVB	90527	70270	2.02%	0.119%
64	12.463	1761	1764	1767	rBV	258667	273815	7.87%	0.464%
65	12.504	1767	1771	1773	rVV3	177895	250001	7.18%	0.423%
66	12.551	1776	1779	1784	rBV2	218451	237721	6.83%	0.402%
67	12.598	1785	1787	1789	rBV2	63987	53871	1.55%	0.091%
68	12.633	1789	1793	1796	rVV	3031489	2811346	80.78%	4.759%
69	12.669	1796	1799	1801	rVV3	60688	61364	1.76%	0.104%
70	12.780	1816	1818	1821	rVB	129724	116099	3.34%	0.197%
71	12.863	1825	1832	1837	rBV	2711981	3185736	91.54%	5.393%

LSC Area Percent Report

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Data File : BF102883.D
Acq On : 9 Feb 2018 12:44
Operator : SJ/JU
Sample : J1485-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-215

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.904	1837	1839	1844	rVB2	158524	205817	5.91%	0.348%
73	12.998	1848	1855	1858	rBV	2323676	2334188	67.07%	3.951%
74	13.080	1864	1869	1872	rBV2	189623	313340	9.00%	0.530%
75	13.163	1880	1883	1884	rBV3	156341	148943	4.28%	0.252%
76	13.186	1884	1887	1890	rVB	370547	347175	9.98%	0.588%
77	13.222	1890	1893	1895	rBV	73737	79343	2.28%	0.134%
78	13.251	1895	1898	1901	rBV	289697	247685	7.12%	0.419%
79	13.292	1901	1905	1907	rVV2	257804	270056	7.76%	0.457%
80	13.380	1918	1920	1923	rVB	172838	145547	4.18%	0.246%
81	13.410	1923	1925	1928	rBV	179093	191838	5.51%	0.325%
82	13.692	1971	1973	1979	rVB	239911	222363	6.39%	0.376%
83	13.804	1989	1992	1995	rBV2	205373	214838	6.17%	0.364%
84	13.833	1995	1997	1999	rVB	212620	148799	4.28%	0.252%
85	13.857	1999	2001	2003	rBV	183327	197847	5.69%	0.335%
86	13.880	2003	2005	2012	rVB3	302623	532968	15.31%	0.902%
87	14.027	2027	2030	2031	rBV	228588	226598	6.51%	0.384%
88	14.051	2031	2034	2038	rVV2	1597069	2476425	71.16%	4.192%
89	14.086	2038	2040	2047	rVB	1260092	1065223	30.61%	1.803%
90	14.163	2051	2053	2056	rBV	181934	138882	3.99%	0.235%
91	14.439	2098	2100	2104	rVB	212041	195334	5.61%	0.331%
92	14.516	2110	2113	2116	rBV3	181124	253058	7.27%	0.428%
93	14.968	2188	2190	2194	rVB2	199364	200363	5.76%	0.339%
94	15.110	2210	2214	2217	rBV	896627	1357371	39.00%	2.298%
95	15.168	2221	2224	2226	rBV2	148331	163946	4.71%	0.278%
96	15.421	2263	2267	2273	rVB	542283	720029	20.69%	1.219%
97	15.486	2273	2278	2283	rBV	763043	1016416	29.21%	1.721%
98	15.551	2284	2289	2292	rBV	625339	915561	26.31%	1.550%
99	16.004	2362	2366	2370	rVB	209892	299359	8.60%	0.507%
100	17.051	2540	2544	2552	rVB2	304914	587886	16.89%	0.995%

Sum of corrected areas: 59073886

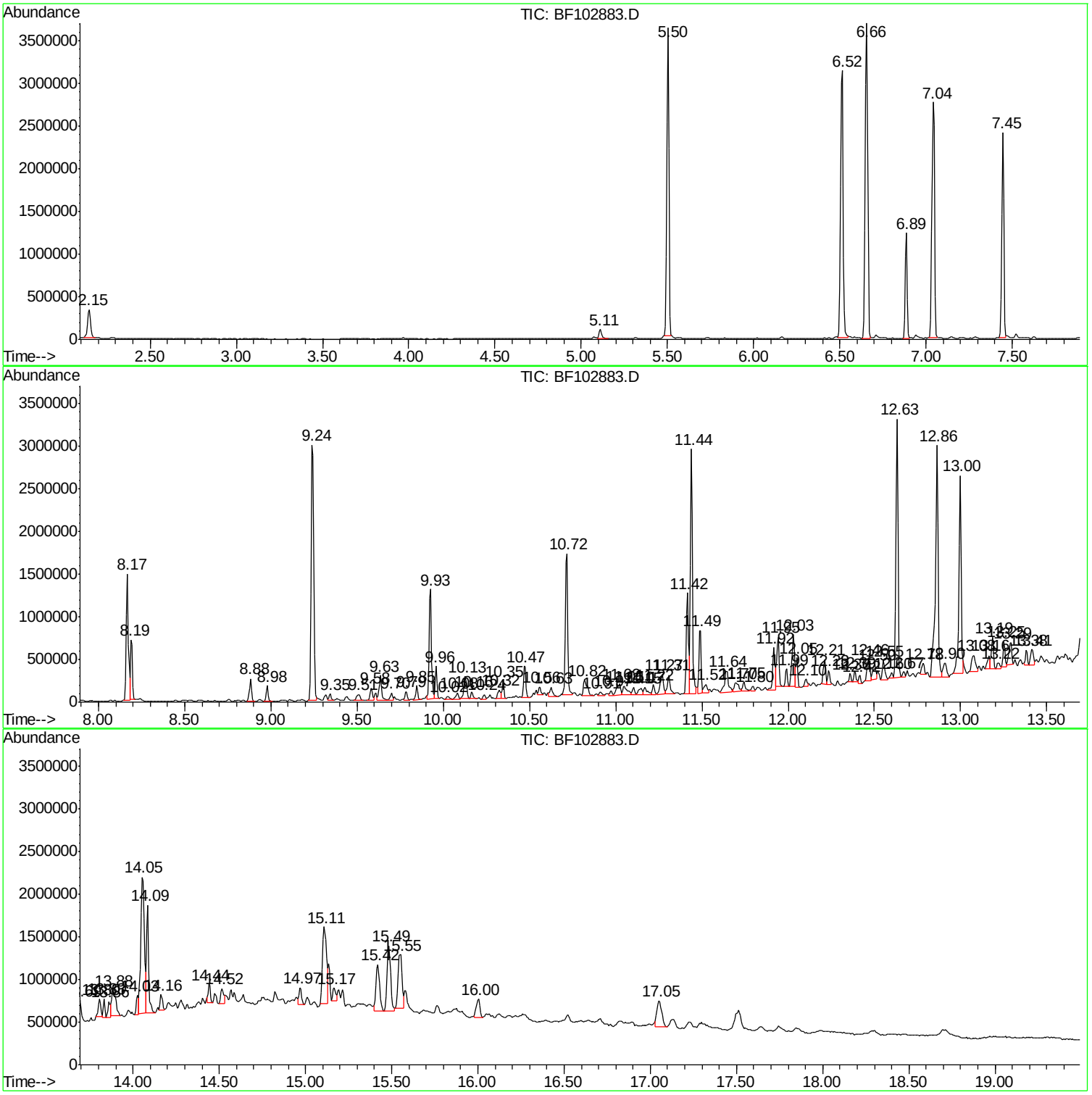
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020918\
Data File : BF102883.D
Acq On : 9 Feb 2018 12:44
Operator : SJ/JU
Sample : J1485-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-215

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF020918\
Data File : BF102883.D
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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
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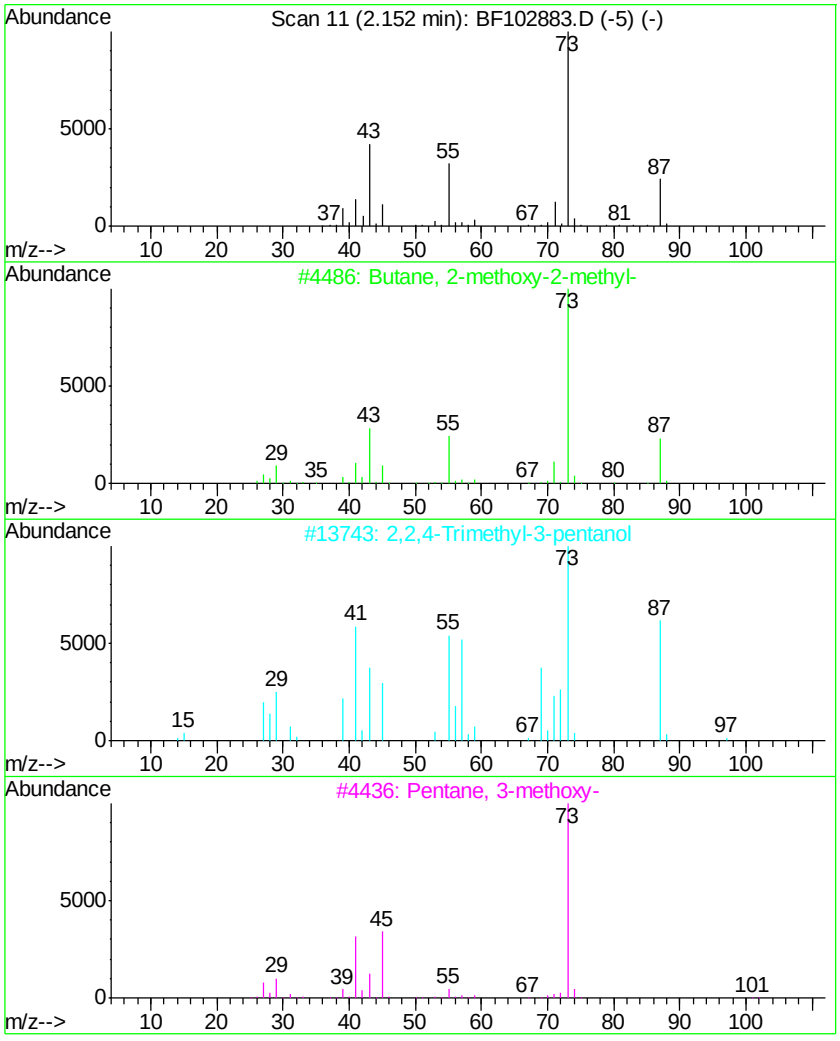
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

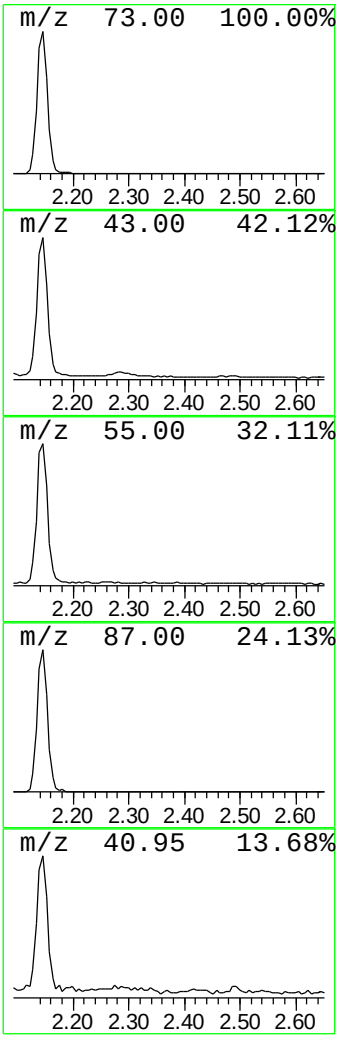
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.15	8.25 ng	427980	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF020918\
Data File : BF102883.D
Acq On : 9 Feb 2018 12:44
Operator : SJ/JU
Sample : J1485-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-215

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

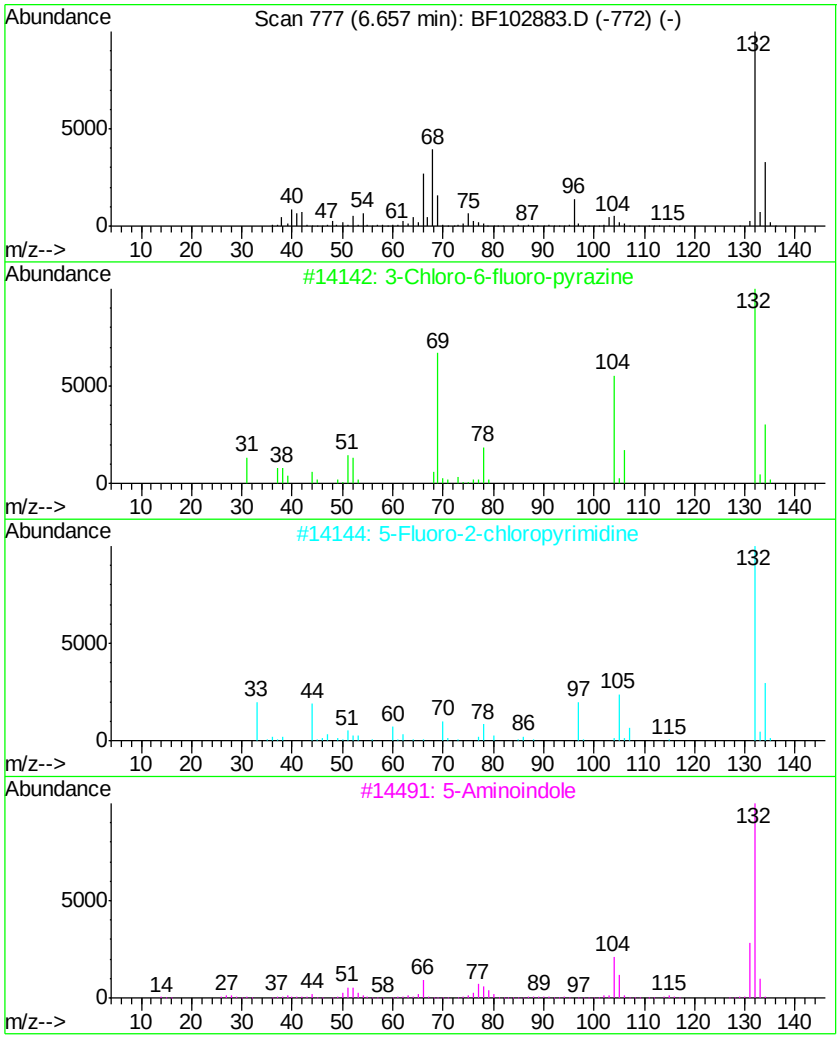
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

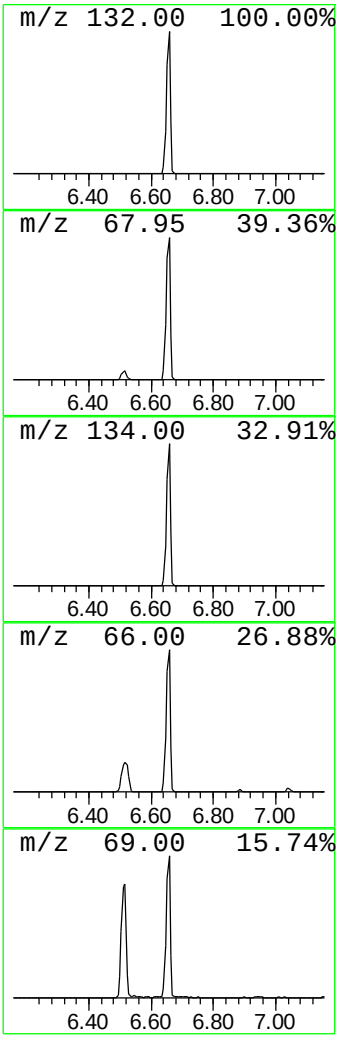
****

Peak Number 2 unknown6.66 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	64.56 ng	3350670	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	Xenon	132	Xe	007440-63-3	9





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Sample : J1485-03
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Instrument : BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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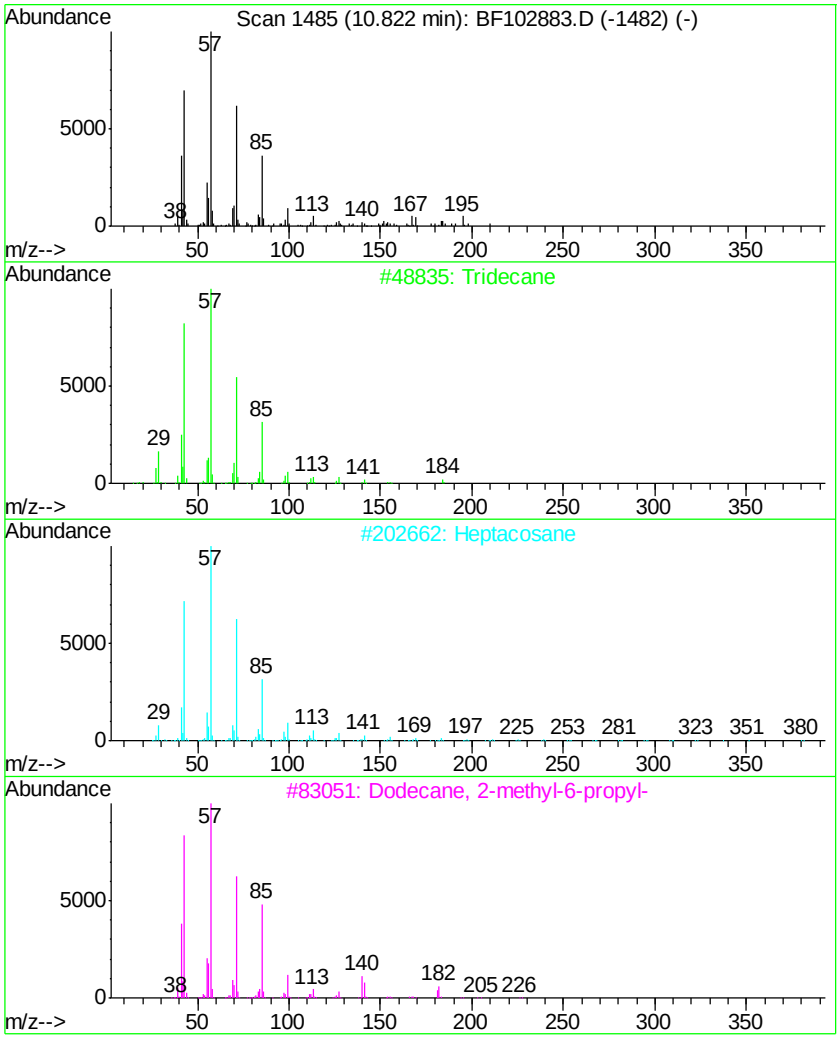
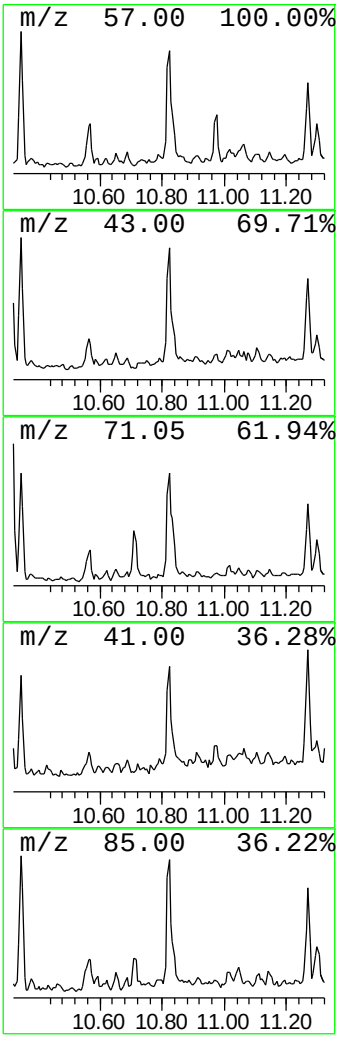
Peak Number 4 Tridecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.82	4.56 ng	280564	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	81
2	Heptacosane	380	C27H56	000593-49-7	72
3	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	72
4	Pentadecane	212	C15H32	000629-62-9	72
5	Tridecane, 6-methyl-	198	C14H30	013287-21-3	72





Data Path : Z:\HPCHEM1\BNA F\DATA\BF020918\
Data File : BF102883.D
Acq On : 9 Feb 2018 12:44
Operator : SJ/JU
Sample : J1485-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-215

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

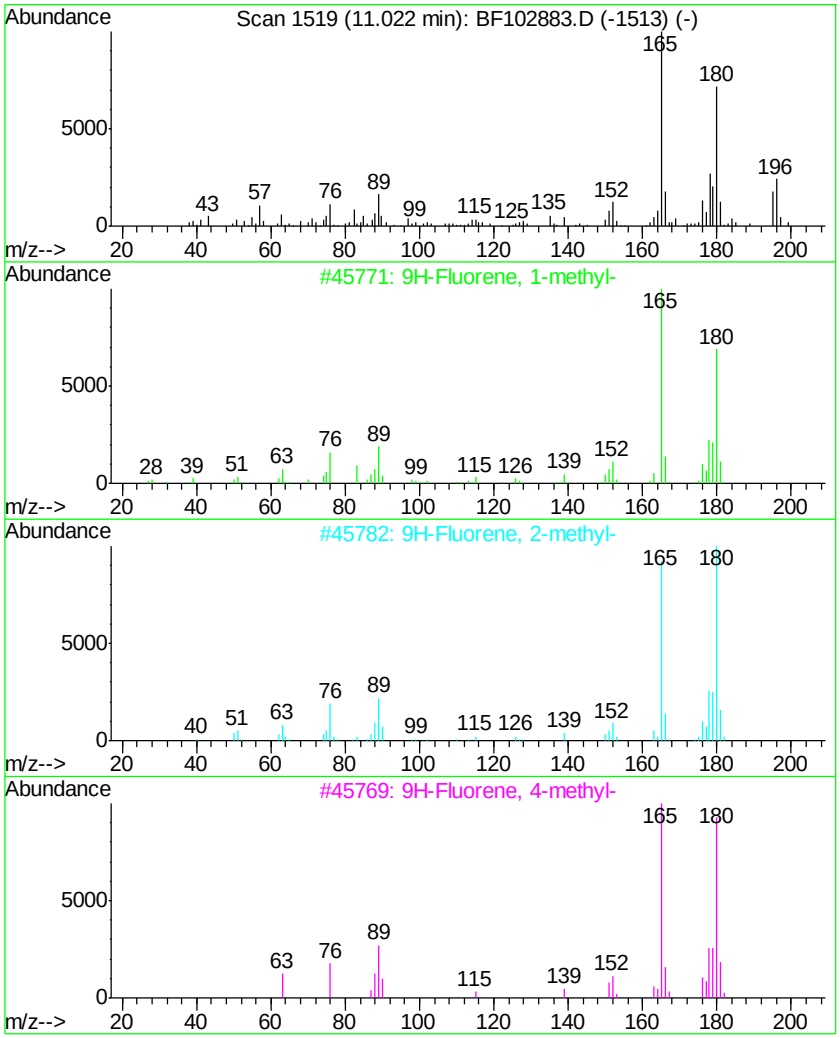
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

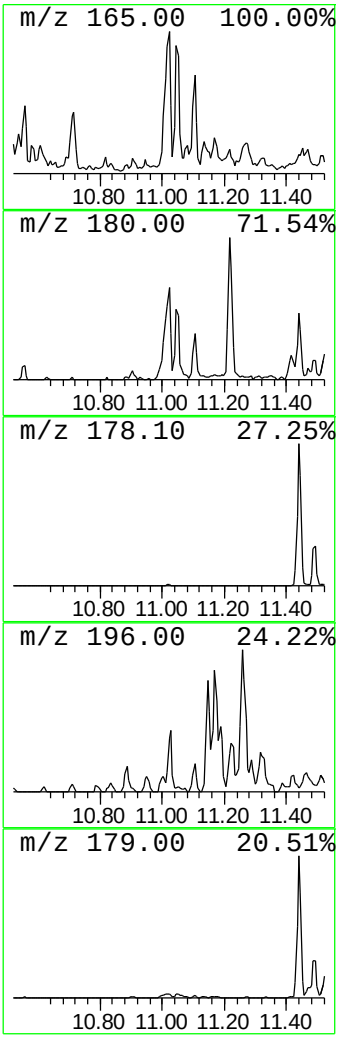
****

Peak Number 5 9H-Fluorene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.02	3.20 ng	196605	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	97
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	95
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	94
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93





Data Path : Z:\HPCHEM1\BNA F\DATA\BF020918\
Data File : BF102883.D
Acq On : 9 Feb 2018 12:44
Operator : SJ/JU
Sample : J1485-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-215

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

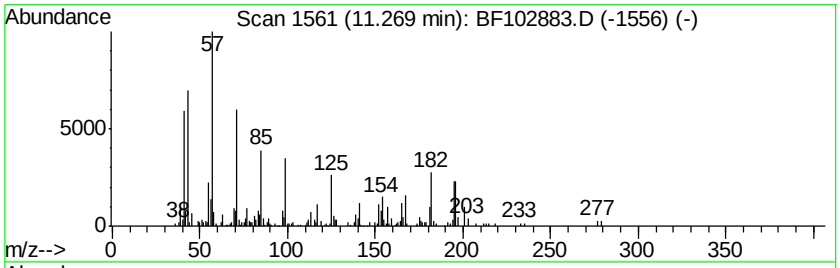
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

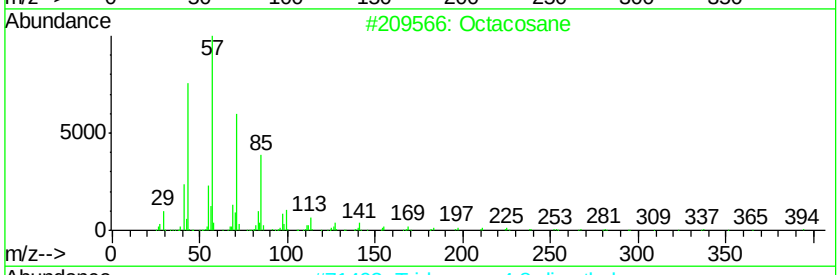
****

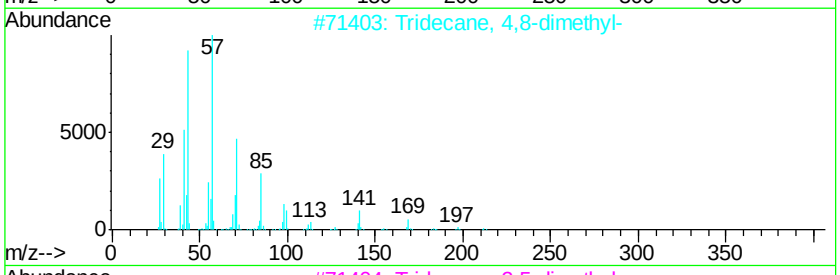
Peak Number 7 unknown11.27 Concentration Rank 14

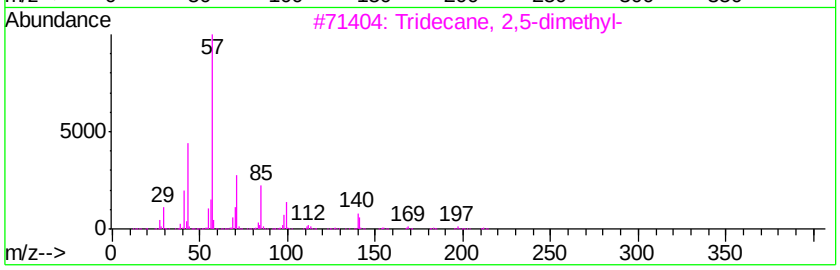
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.27	4.30 ng	264649	Phenanthrene-d10	11.42

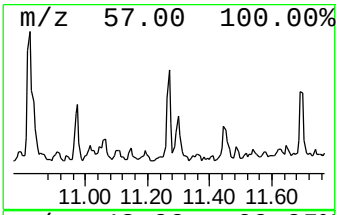
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	38
2	Tridecane, 4,8-dimethyl-	212	C15H32	055030-62-1	38
3	Tridecane, 2,5-dimethyl-	212	C15H32	056292-66-1	38
4	Pentadecane	212	C15H32	000629-62-9	35
5	Tetradecane	198	C14H30	000629-59-4	30

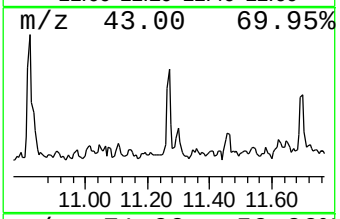


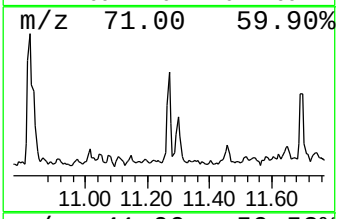


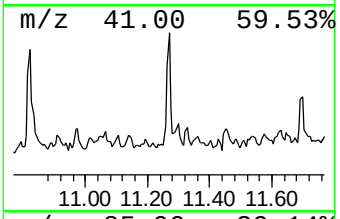


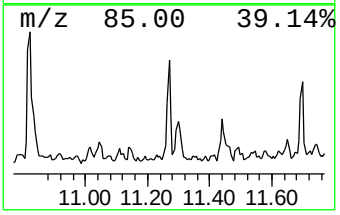












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Acq On : 9 Feb 2018 12:44
Operator : SJ/JU
Sample : J1485-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-215

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.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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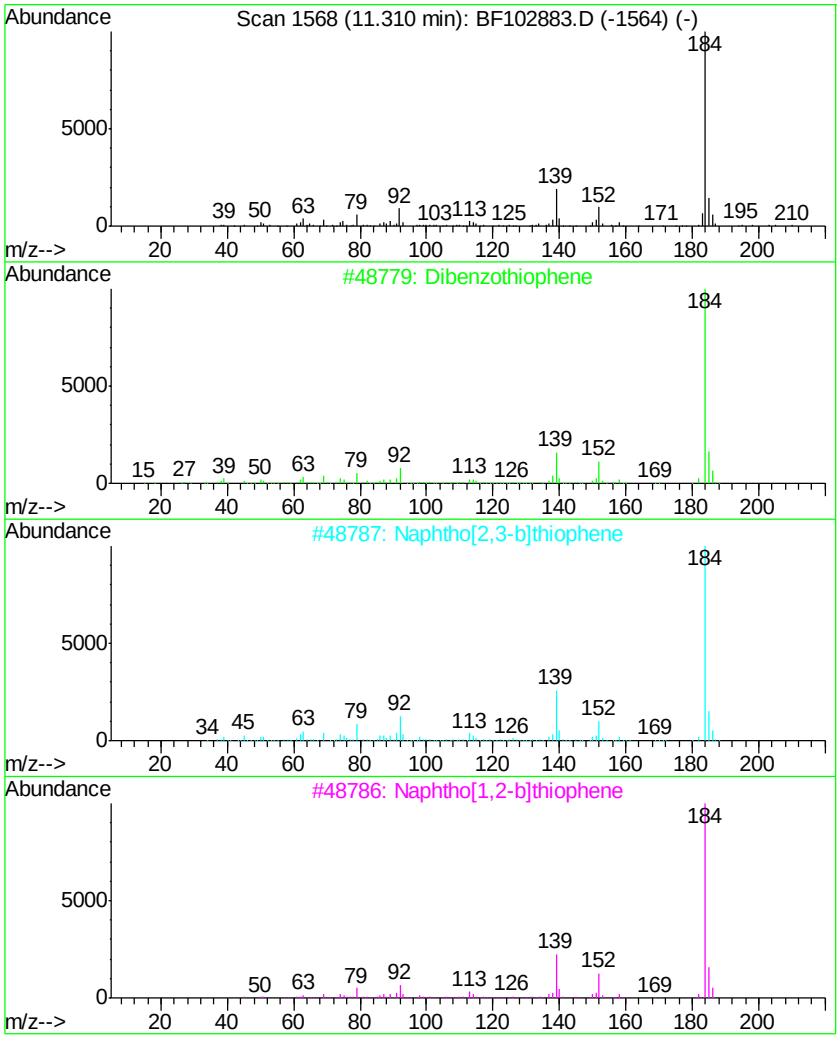
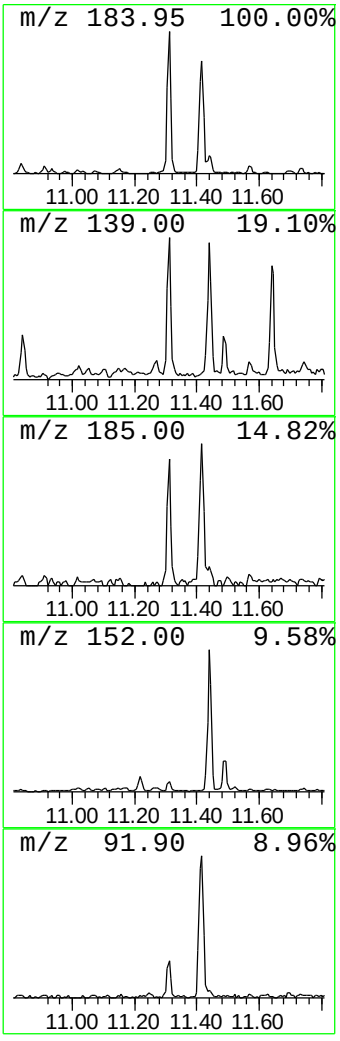
Peak Number 8 Dibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.31	4.15 ng	255264	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	96
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	86





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Instrument : BNA_F
ClientSampleId : RO-215

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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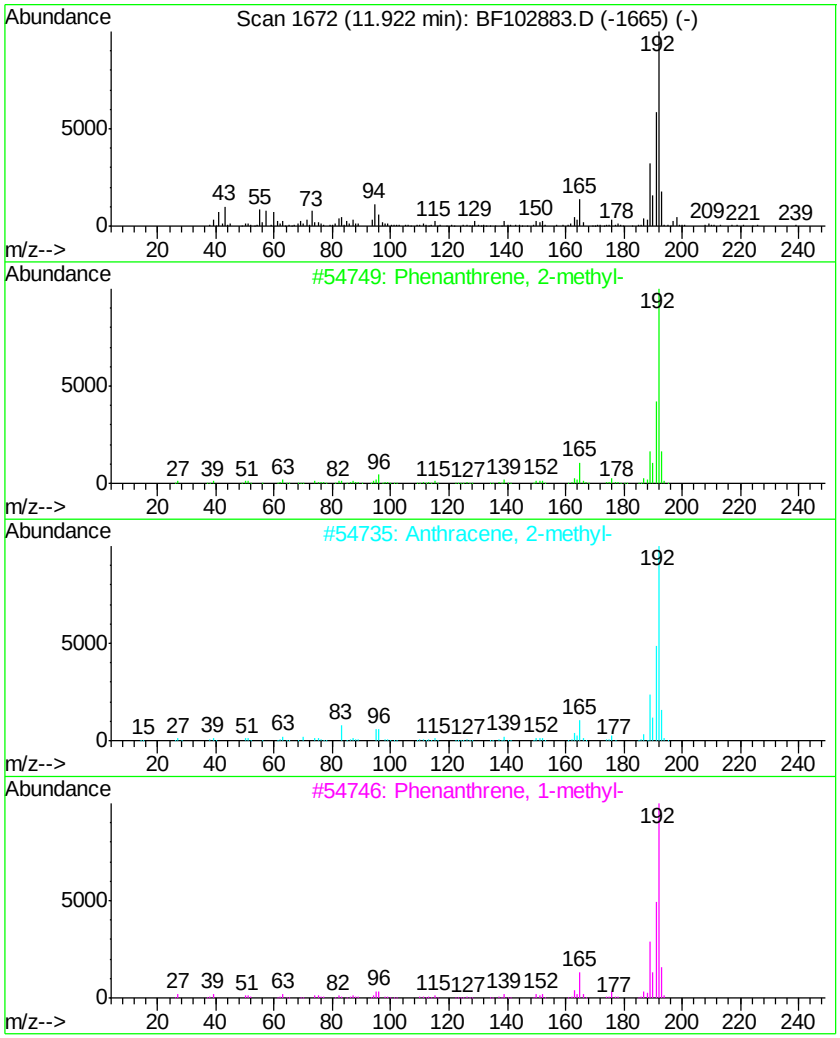
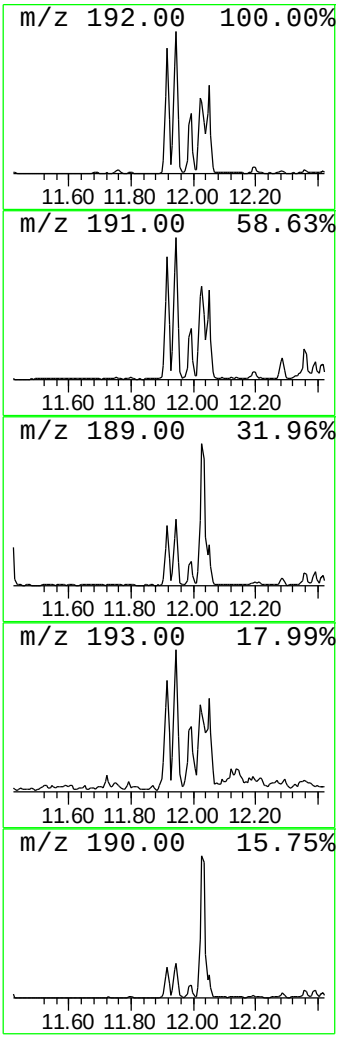
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	8.86 ng	545297	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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Instrument : BNA_F
ClientSampleId : RO-215

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

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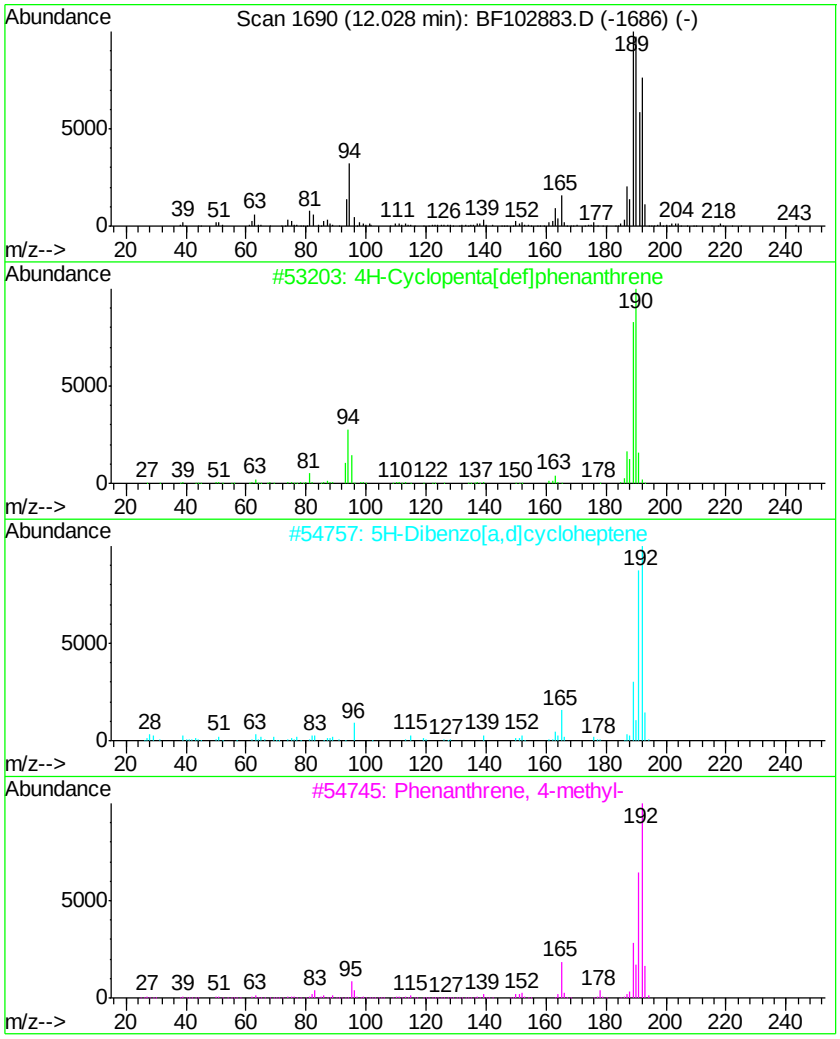
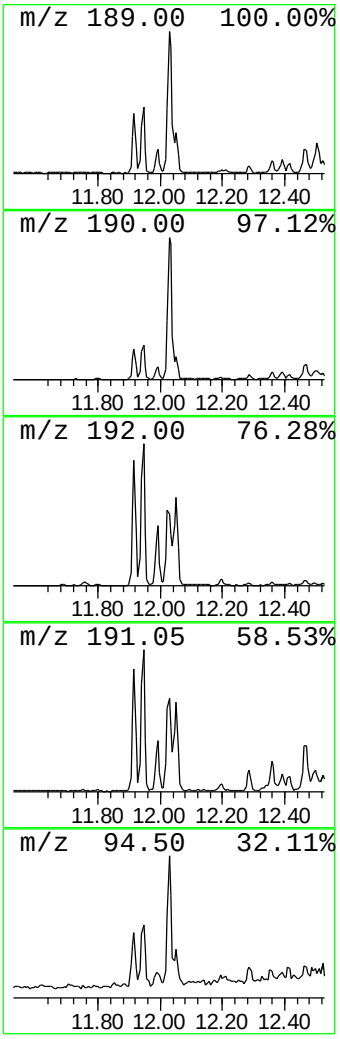
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	10.44 ng	642482	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	38
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	35
5	3-Bromo-2-furoic acid	190	C5H3BrO3	014903-90-3	35





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Instrument : BNA_F
ClientSampleId : RO-215

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.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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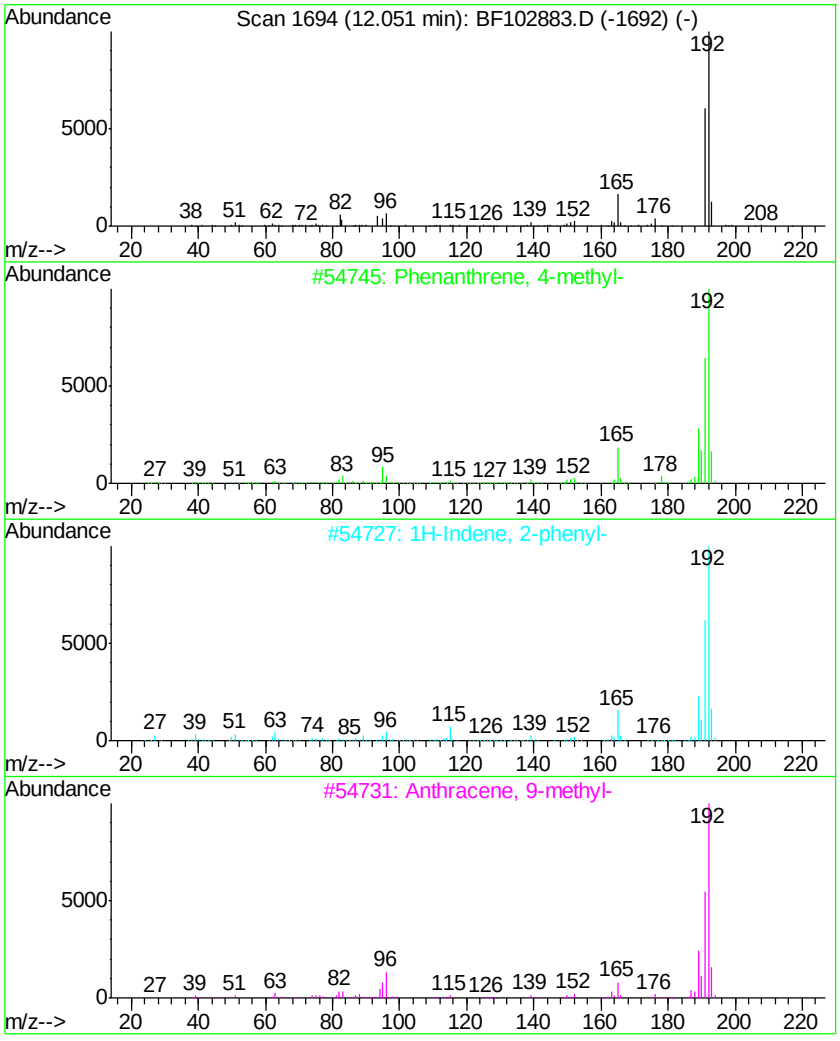
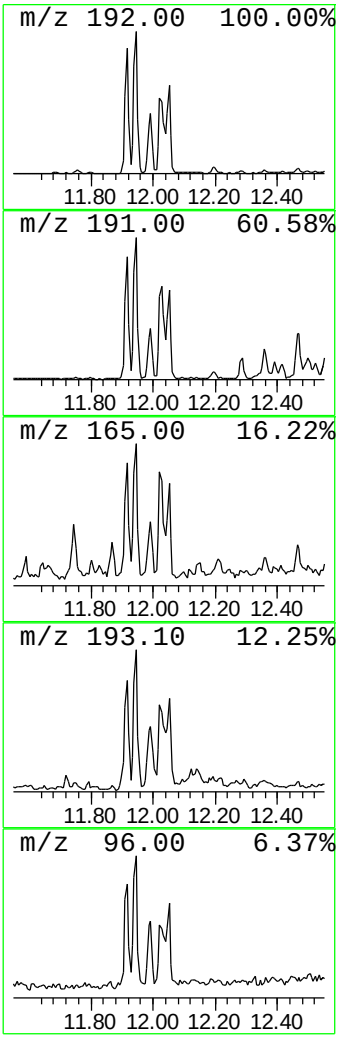
Peak Number 12 Phenanthrene, 4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	4.33 ng	266353	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	87





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ALS Vial : 9 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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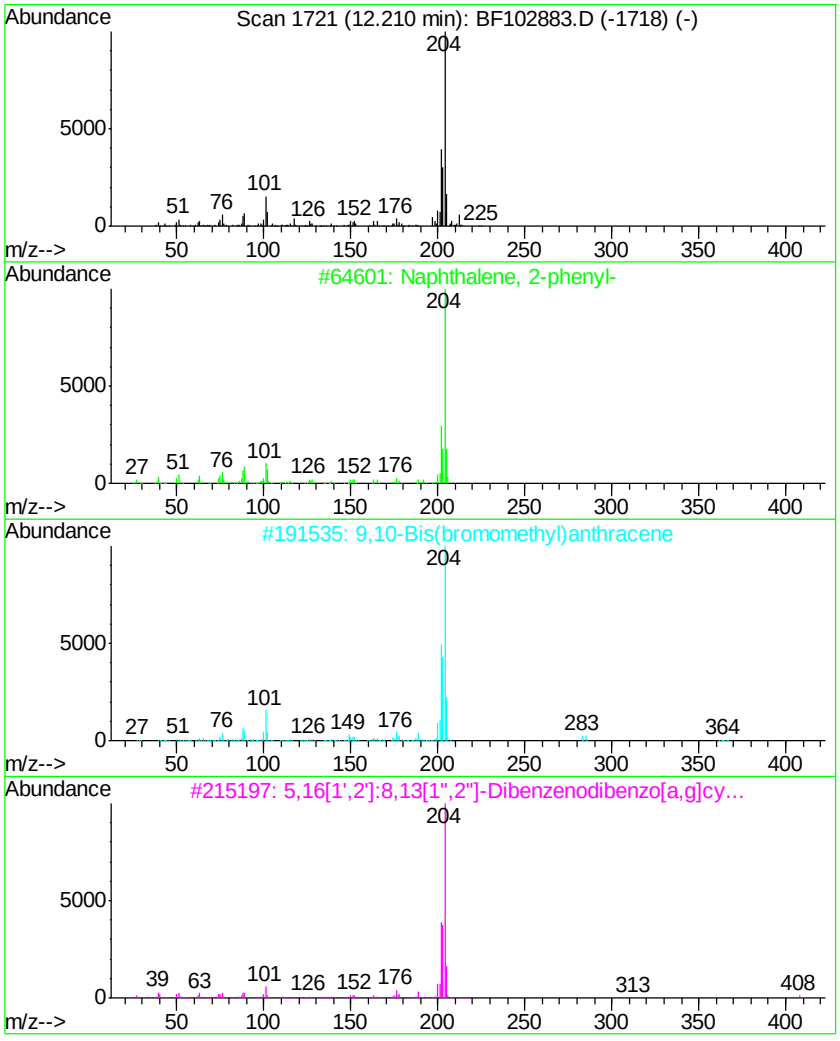
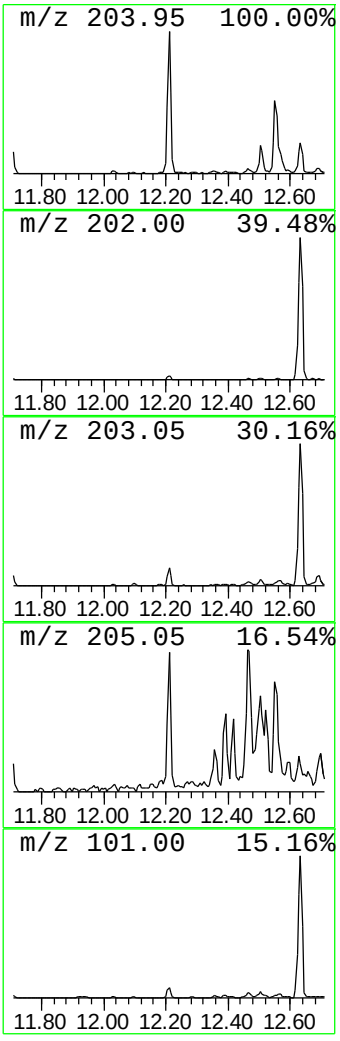
Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.21	3.79 ng	233121	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	92
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	91
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55





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ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-215

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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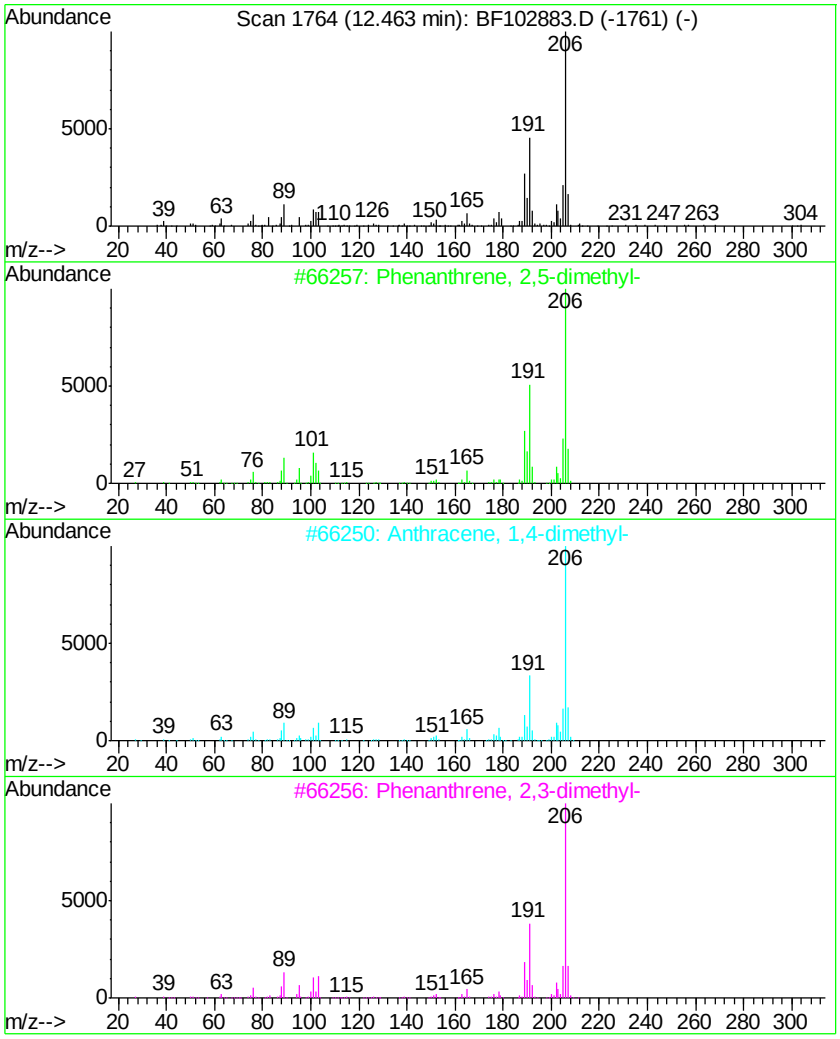
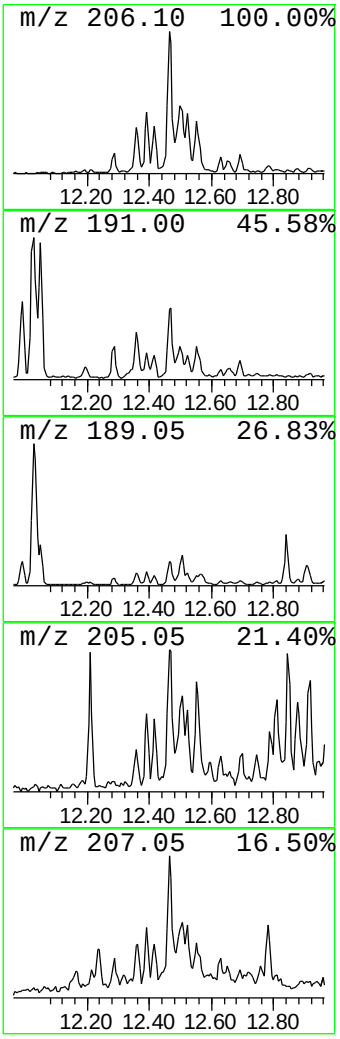
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	4.45 ng	273815	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91





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ClientSampleId : RO-215

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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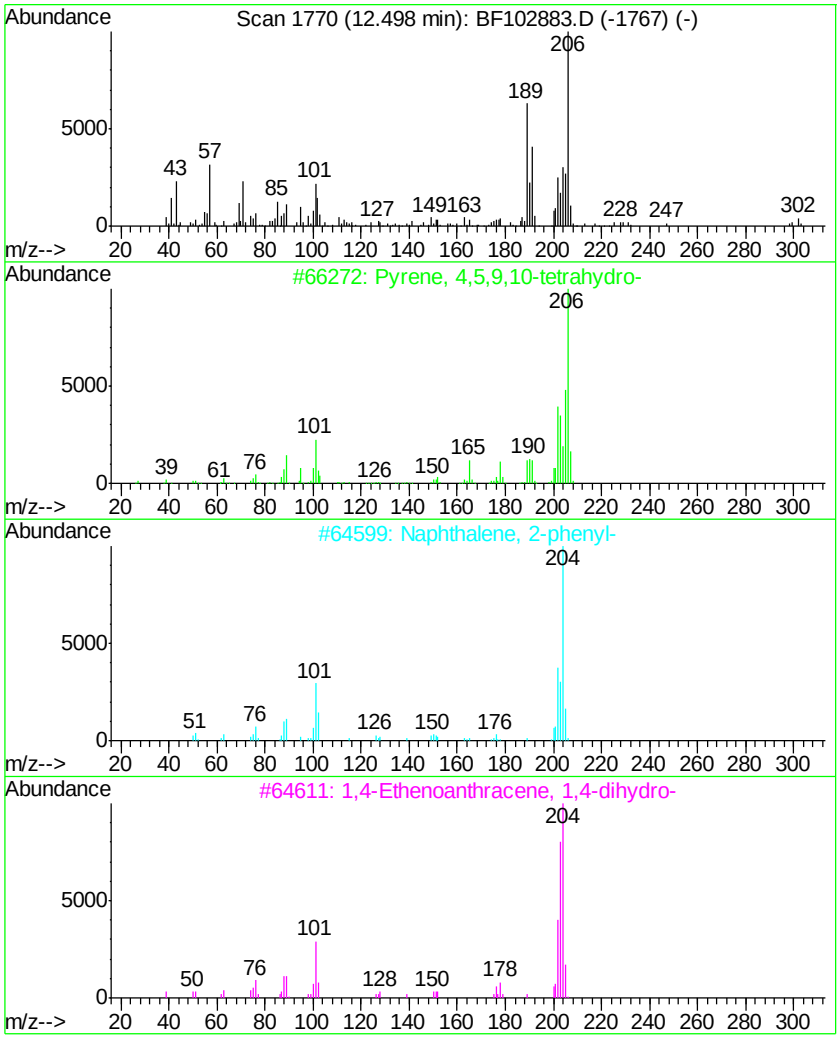
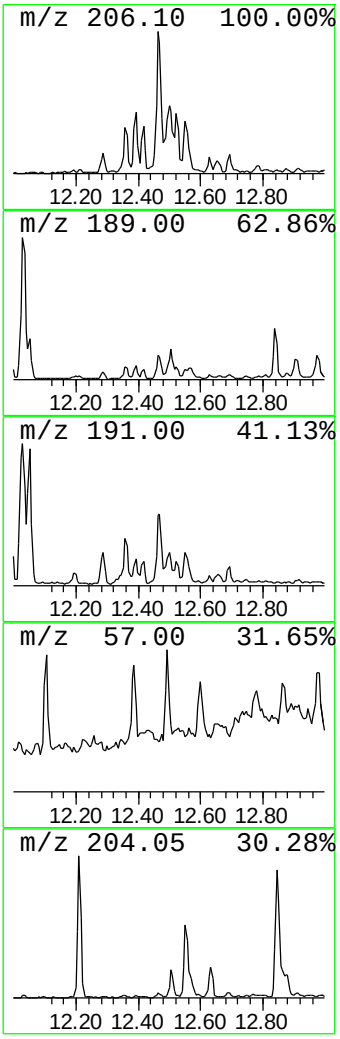
Peak Number 15 unknown12.50 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	4.06 ng	250001	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	49
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
3	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	35
4	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	35
5	4-(Trifluoromethoxy)benzoic acid	206	C8H5F3O3	000330-12-1	30





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P

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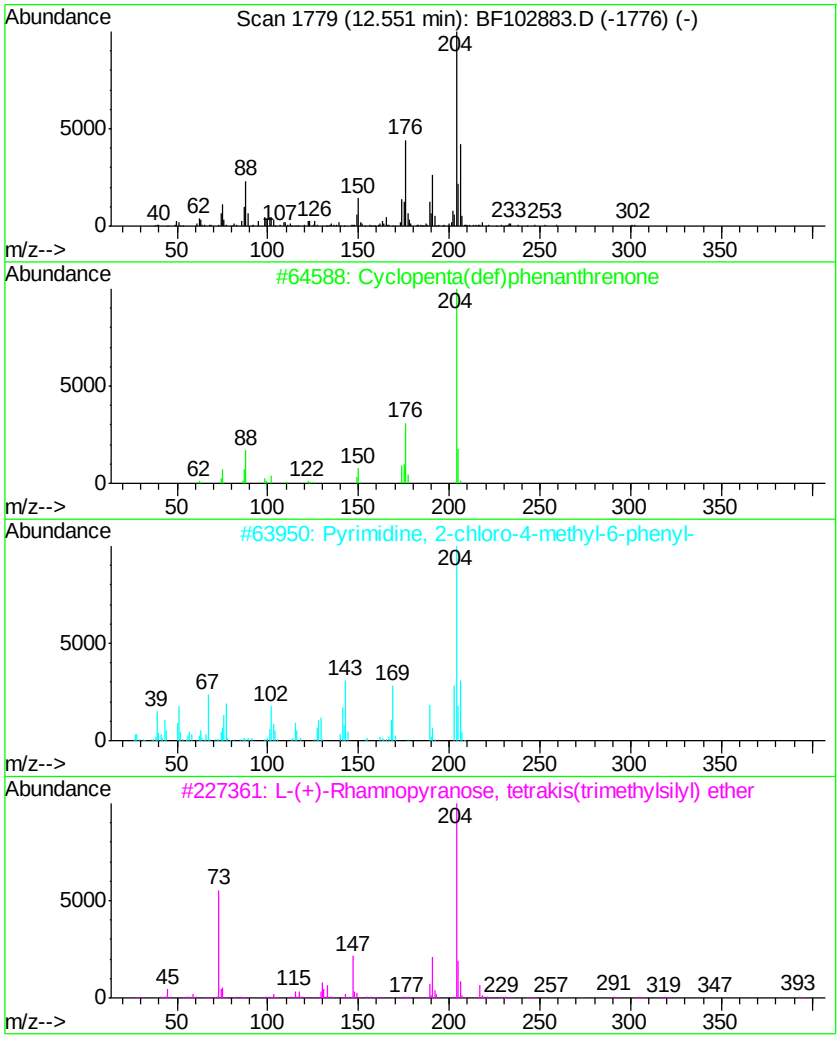
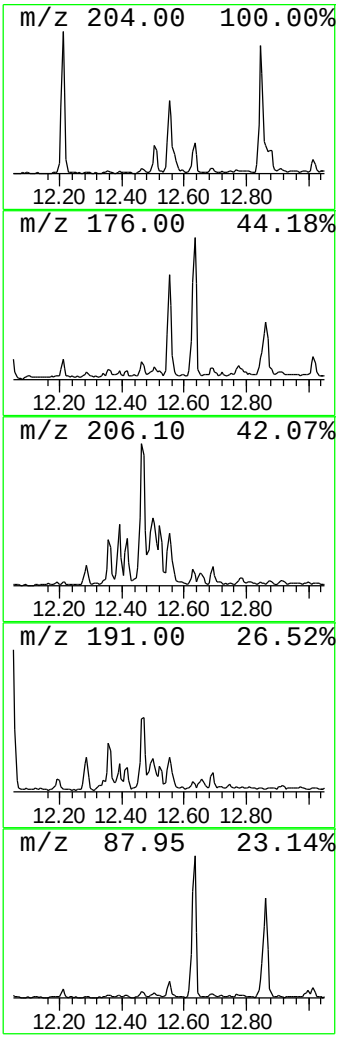
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	3.86 ng	237721	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	47
3	L-(+)-Rhamnopyranose, tetrakis(t...	452	C18H44O5Si4	1000380-12-9	43
4	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	43
5	Acetamide, 2-(3,4-dihydro-1-isoq...	332	C17H14F2N2OS	1000270-76-1	43





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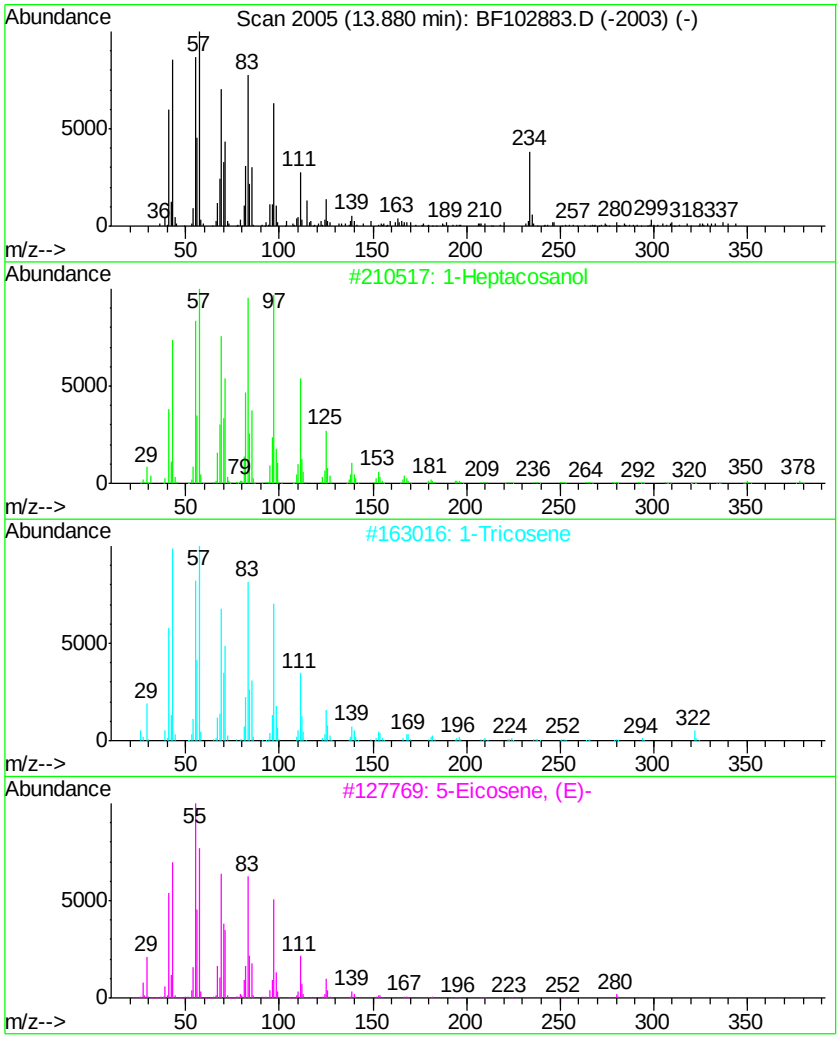
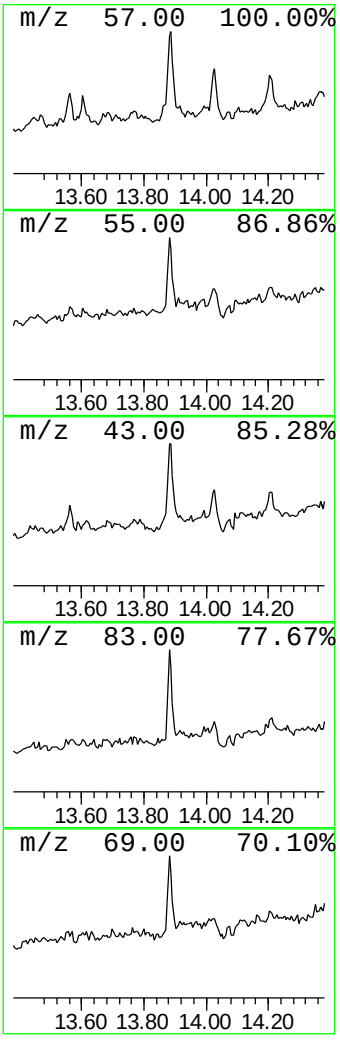
Peak Number 17 1-Heptacosanol Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	4.30 ng	532968	Chrysene-d12	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptacosanol	396	C27H56O	002004-39-9	87
2	1-Tricosene	322	C23H46	018835-32-0	83
3	5-Eicosene, (E)-	280	C20H40	074685-30-6	83
4	Behenic alcohol	326	C22H46O	000661-19-8	81
5	n-Tetracosanol-1	354	C24H50O	000506-51-4	76





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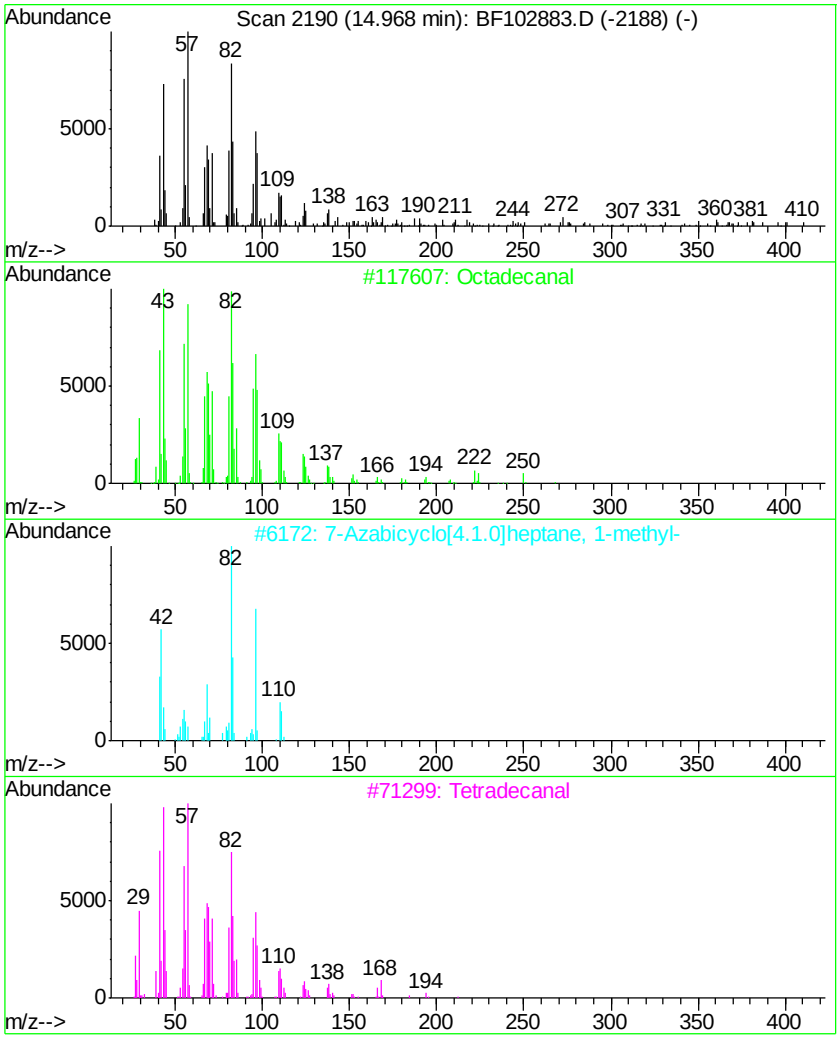
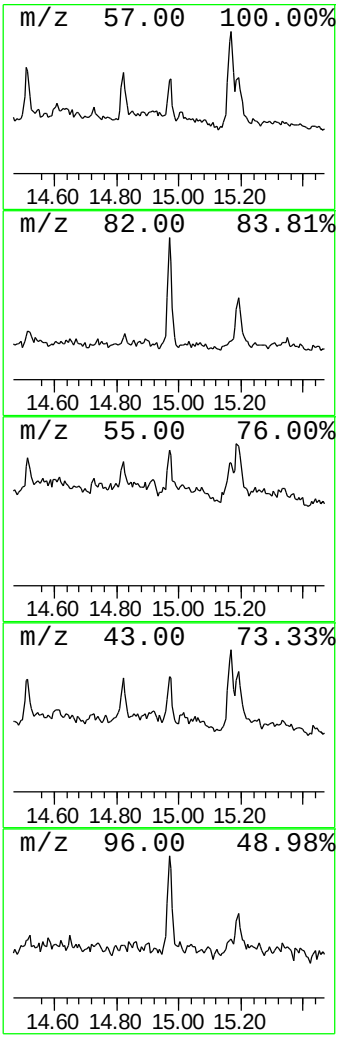
Peak Number 18 Octadecanal Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.97	4.38 ng	200363	Perylene-d12	15.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanal	268	C18H36O	000638-66-4	80
2	7-Azabicyclo[4.1.0]heptane, 1-me...	111	C7H13N	025022-25-7	70
3	Tetradecanal	212	C14H28O	000124-25-4	70
4	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	62
5	1,19-Eicosadiene	278	C20H38	014811-95-1	58





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Acq On : 9 Feb 2018 12:44
Operator : SJ/JU
Sample : J1485-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-215

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

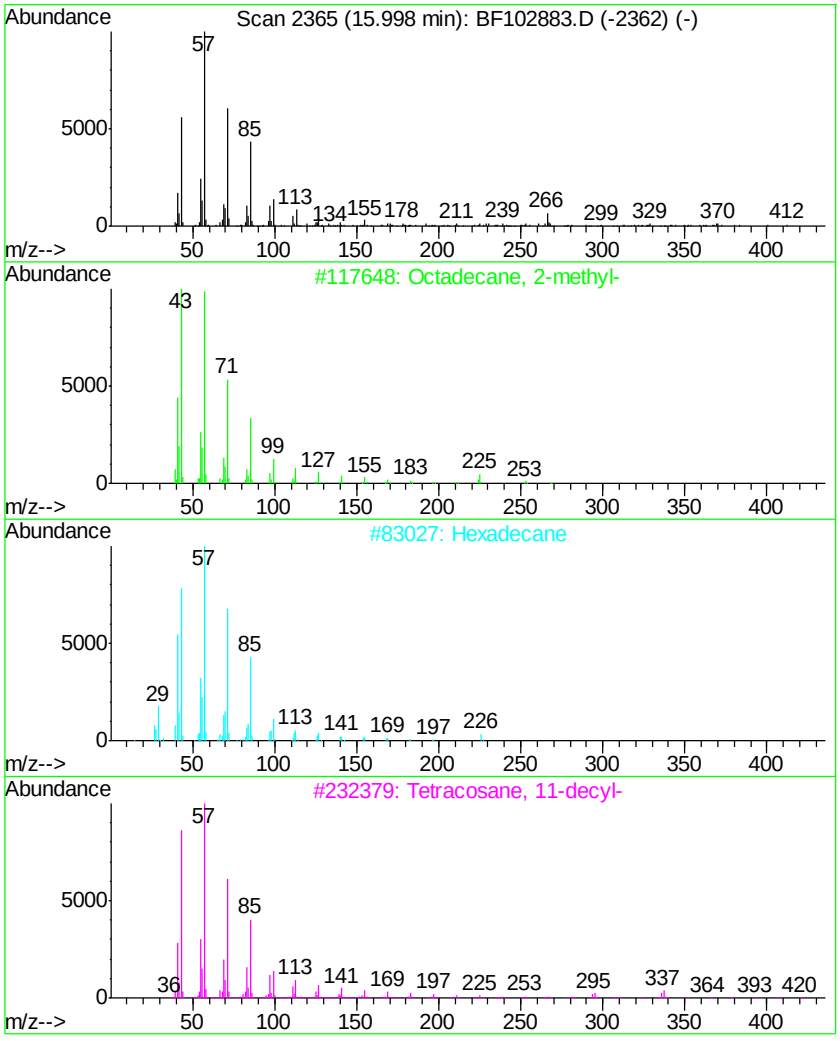
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

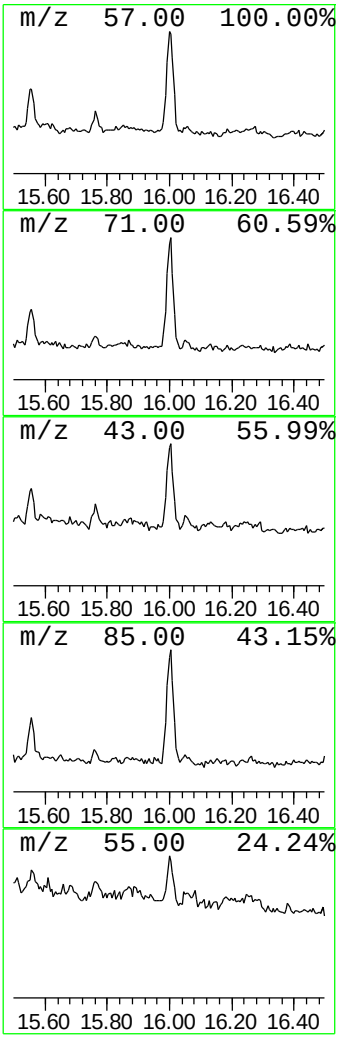
****

Peak Number 20 Octadecane, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.00	6.54 ng	299359	Perylene-d12	15.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane, 2-methyl-	268	C19H40	001560-88-9	87
2	Hexadecane	226	C16H34	000544-76-3	87
3	Tetracosane, 11-decyl-	479	C34H70	055429-84-0	86
4	Heptacosane	380	C27H56	000593-49-7	86
5	Tetracosane	338	C24H50	000646-31-1	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020918\
Data File : BF102883.D
Acq On : 9 Feb 2018 12:44
Operator : SJ/JU
Sample : J1485-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-215

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard		
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	2.15	8.3	ng	427980	1	6.89	1038010	20.0
unknown6.66	6.66	64.6	ng	3350670	1	6.89	1038010	20.0
Tridecane	10.82	4.6	ng	280564	4	11.42	1230280	20.0
9H-Fluorene, 1-me...	11.02	3.2	ng	196605	4	11.42	1230280	20.0
unknown11.27	11.27	4.3	ng	264649	4	11.42	1230280	20.0
Dibenzothiophene	11.31	4.2	ng	255264	4	11.42	1230280	20.0
Phenanthrene, 2-m...	11.92	8.9	ng	545297	4	11.42	1230280	20.0
4H-Cyclopenta[def...	12.03	10.4	ng	642482	4	11.42	1230280	20.0
Phenanthrene, 4-m...	12.05	4.3	ng	266353	4	11.42	1230280	20.0
Naphthalene, 2-ph...	12.21	3.8	ng	233121	4	11.42	1230280	20.0
Phenanthrene, 2,5...	12.46	4.5	ng	273815	4	11.42	1230280	20.0
unknown12.50	12.50	4.1	ng	250001	4	11.42	1230280	20.0
Cyclopenta(def)ph...	12.55	3.9	ng	237721	4	11.42	1230280	20.0
1-Heptacosanol	13.88	4.3	ng	532968	5	14.06	2476430	20.0
Octadecanal	14.97	4.4	ng	200363	6	15.54	915561	20.0
Octadecane, 2-met...	16.00	6.5	ng	299359	6	15.54	915561	20.0