LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110118\
Data File : BF110381.D
Acq On : 1 Nov 2018 21:28
Operator : JU/SJ
Sample : J5200-19 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-103118-B

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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	2.234	22	25	35	rVB	75162	116253	13.05%	0.880%
2	5.569	589	592	607	rBV	297131	290859	32.64%	2.203%
3	6.569	759	762	778	rBV	298681	315686	35.43%	2.391%
4	6.722	784	788	795	rBV	375928	315526	35.41%	2.389%
5	6.957	824	828	835	rBV	444196	396318	44.48%	3.001%
6	7.110	850	854	866	rBV	268773	235315	26.41%	1.782%
7	7.516	919	923	937	rBV	165339	178292	20.01%	1.350%
8	8.239	1042	1046	1048	rBV	494536	453453	50.89%	3.434%
9	8.951	1163	1167	1172	rBV	38429	44560	5.00%	0.337%
10	9.051	1180	1184	1189	rBV	46243	47996	5.39%	0.363%
11	9.310	1224	1228	1237	rBV	322301	289040	32.44%	2.189%
12	9.580	1267	1274	1278	rBV	20478	25031	2.81%	0.190%
13	9.651	1282	1286	1289	rVV	40012	40487	4.54%	0.307%
14	9.680	1289	1291	1292	rVV	22000	17603	1.98%	0.133%
15	9.704	1292	1295	1303	rVB2	34552	42315	4.75%	0.320%
16	9.769	1303	1306	1314	rVB	19793	24749	2.78%	0.187%
17	9.857	1316	1321	1327	rBV2	51766	50799	5.70%	0.385%
18	9.998	1341	1345	1348	rBV	499438	451418	50.66%	3.418%
19	10.027	1348	1350	1353	rVB	66821	52648	5.91%	0.399%
20	10.204	1374	1380	1382	rBV2	33870	37735	4.24%	0.286%
21	10.404	1409	1414	1420	rBV2	24497	31878	3.58%	0.241%
22	10.545	1435	1438	1444	rVB	80509	76908	8.63%	0.582%
23	10.786	1474	1479	1486	rBV	183093	173590	19.48%	1.315%
24	11.092	1526	1531	1534	rVB2	21714	25409	2.85%	0.192%
25	11.292	1562	1565	1569	rBV	25862	21535	2.42%	0.163%
26	11.386	1578	1581	1584	rVB	43235	37889	4.25%	0.287%
27	11.486	1594	1598	1600	rBV	512443	445220	49.97%	3.372%
28	11.510	1600	1602	1607	rVV	551561	484011	54.32%	3.665%
29	11.563	1607	1611	1615	rVV	124294	115248	12.93%	0.873%
30	11.692	1630	1633	1635	rBV	43949	41443	4.65%	0.314%
31	11.716	1635	1637	1641	rVV	59539	61079	6.85%	0.463%
32	11.821	1652	1655	1658	rVB	33985	30944	3.47%	0.234%
33	11.857	1658	1661	1664	rBV	188294	137292	15.41%	1.040%
34	11.898	1666	1668	1673	rVB	19232	24945	2.80%	0.189%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110118\
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Acq On : 1 Nov 2018 21:28
Operator : JU/SJ
Sample : J5200-19 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-103118-B

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.986	1678	1683	1686	rBV	109591	109099	12.24%	0.826%
36	12.016	1686	1688	1692	rVB	140791	118789	13.33%	0.900%
37	12.068	1692	1697	1699	rBV	37007	38208	4.29%	0.289%
38	12.104	1699	1703	1705	rVV2	148773	167608	18.81%	1.269%
39	12.127	1705	1707	1711	rVB	74209	62572	7.02%	0.474%
40	12.280	1730	1733	1736	rBV2	55087	49200	5.52%	0.373%
41	12.316	1736	1739	1743	rVB	51242	47020	5.28%	0.356%
42	12.463	1761	1764	1766	rVB	39673	27376	3.07%	0.207%
43	12.486	1766	1768	1771	rVB2	31323	25376	2.85%	0.192%
44	12.545	1773	1778	1780	rBV2	802141	729247	81.84%	5.522%
45	12.568	1780	1782	1789	rVB3	436589	439944	49.38%	3.332%
46	12.627	1789	1792	1794	rBV2	48062	63535	7.13%	0.481%
47	12.651	1794	1796	1801	rVB2	87152	77726	8.72%	0.589%
48	12.704	1801	1805	1809	rBV	663440	577290	64.79%	4.372%
49	12.745	1809	1812	1814	rBV2	21738	19530	2.19%	0.148%
50	12.763	1814	1815	1819	rVB	26719	22744	2.55%	0.172%
51	12.798	1819	1821	1824	rBV	27382	22641	2.54%	0.171%
52	12.857	1828	1831	1833	rBV	35372	27648	3.10%	0.209%
53	12.874	1833	1834	1838	rVB2	18184	17597	1.97%	0.133%
54	12.939	1838	1845	1850	rBV	590040	685720	76.96%	5.193%
55	12.986	1850	1853	1856	rVB	48985	49089	5.51%	0.372%
56	13.039	1856	1862	1863	rBV3	24490	27924	3.13%	0.211%
57	13.068	1863	1867	1869	rBV	307639	281222	31.56%	2.130%
58	13.092	1869	1871	1875	rVB2	40995	42334	4.75%	0.321%
59	13.145	1876	1880	1885	rBV2	56036	98831	11.09%	0.748%
60	13.239	1892	1896	1897	rBV3	49350	58636	6.58%	0.444%
61	13.262	1897	1900	1902	rVB	88483	88446	9.93%	0.670%
62	13.327	1909	1911	1914	rVB	79013	58536	6.57%	0.443%
63	13.368	1914	1918	1920	rBV2	93087	94706	10.63%	0.717%
64	13.392	1920	1922	1925	rVB3	17636	18511	2.08%	0.140%
65	13.462	1930	1934	1936	rBV	69254	58202	6.53%	0.441%
66	13.492	1936	1939	1942	rBV	72459	58798	6.60%	0.445%
67	13.574	1950	1953	1956	rVB5	15895	18702	2.10%	0.142%
68	13.662	1966	1968	1970	rBV2	18332	19063	2.14%	0.144%
69	13.768	1984	1986	1991	rVB	57852	59934	6.73%	0.454%
70	13.833	1994	1997	1999	rVB	26193	22459	2.52%	0.170%
71	13.886	2000	2006	2008	rBV3	86786	113481	12.74%	0.859%

LSC Area Percent Report

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Acq On : 1 Nov 2018 21:28
Operator : JU/SJ
Sample : J5200-19 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-103118-B

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

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.910	2008	2010	2012	rVV	58146	43763	4.91%	0.331%
73	13.951	2012	2017	2020	rVV3	50478	94428	10.60%	0.715%
74	13.980	2020	2022	2025	rVB	57633	49644	5.57%	0.376%
75	14.051	2030	2034	2038	rBV3	28379	55249	6.20%	0.418%
76	14.133	2043	2048	2051	rVV2	698285	891018	100.00%	6.747%
77	14.157	2051	2052	2060	rVB	270259	249360	27.99%	1.888%
78	14.215	2060	2062	2064	rBV2	29130	25885	2.91%	0.196%
79	14.239	2064	2066	2068	rBV	39277	35977	4.04%	0.272%
80	14.286	2072	2074	2078	rVB2	26812	38902	4.37%	0.295%
81	14.362	2083	2087	2089	rBV3	40513	44293	4.97%	0.335%
82	14.392	2089	2092	2095	rVB2	22654	19359	2.17%	0.147%
83	14.445	2099	2101	2104	rBV3	15328	20683	2.32%	0.157%
84	14.486	2105	2108	2109	rBV2	25397	22584	2.53%	0.171%
85	14.521	2109	2114	2116	rBV	84485	93894	10.54%	0.711%
86	14.551	2116	2119	2121	rBV2	43183	38669	4.34%	0.293%
87	14.645	2133	2135	2137	rBV	37942	33482	3.76%	0.254%
88	14.668	2137	2139	2143	rVB2	53193	53255	5.98%	0.403%
89	14.715	2143	2147	2150	rBV4	36307	49661	5.57%	0.376%
90	15.204	2226	2230	2233	rBV	191540	276687	31.05%	2.095%
91	15.321	2247	2250	2253	rVB	43837	46247	5.19%	0.350%
92	15.409	2262	2265	2268	rBV5	19072	30062	3.37%	0.228%
93	15.527	2281	2285	2291	rVB	121159	154958	17.39%	1.173%
94	15.592	2291	2296	2300	rBV	190502	241497	27.10%	1.829%
95	15.656	2300	2307	2311	rVV	335038	522736	58.67%	3.959%
96	15.692	2311	2313	2320	rVB2	52569	69957	7.85%	0.530%
97	16.092	2378	2381	2390	rVB4	34456	68916	7.73%	0.522%
98	16.627	2467	2472	2477	rVB5	33619	60413	6.78%	0.457%
99	17.215	2568	2572	2584	rVB2	64223	160394	18.00%	1.215%
100	17.686	2648	2652	2660	rVB2	37253	82115	9.22%	0.622%

Sum of corrected areas: 13205306

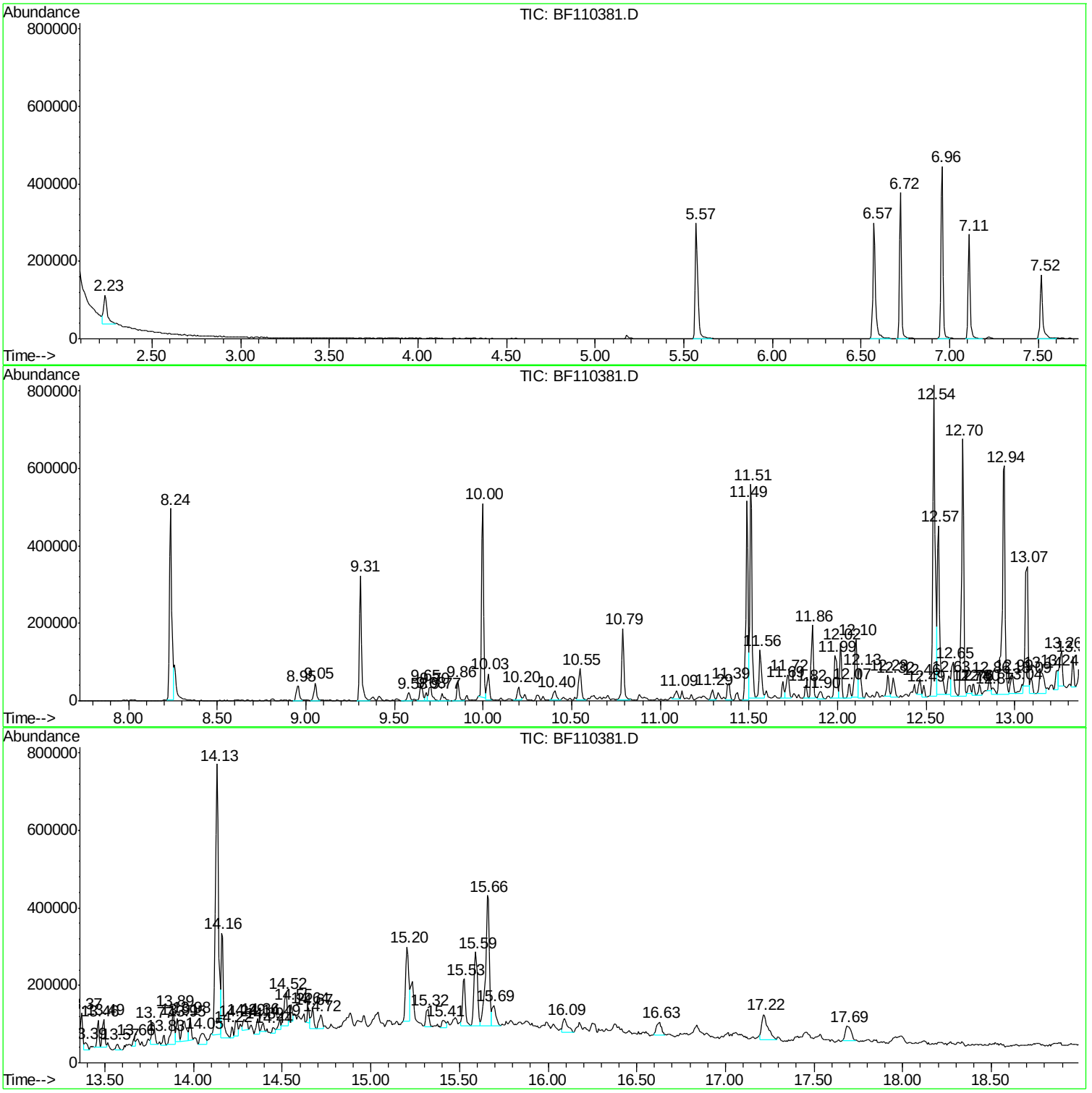
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110118\
Data File : BF110381.D
Acq On : 1 Nov 2018 21:28
Operator : JU/SJ
Sample : J5200-19 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-103118-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110118\
Data File : BF110381.D
Acq On : 1 Nov 2018 21:28
Operator : JU/SJ
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Misc :
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Instrument : BNA_F
ClientSampleId : OR-03-103118-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

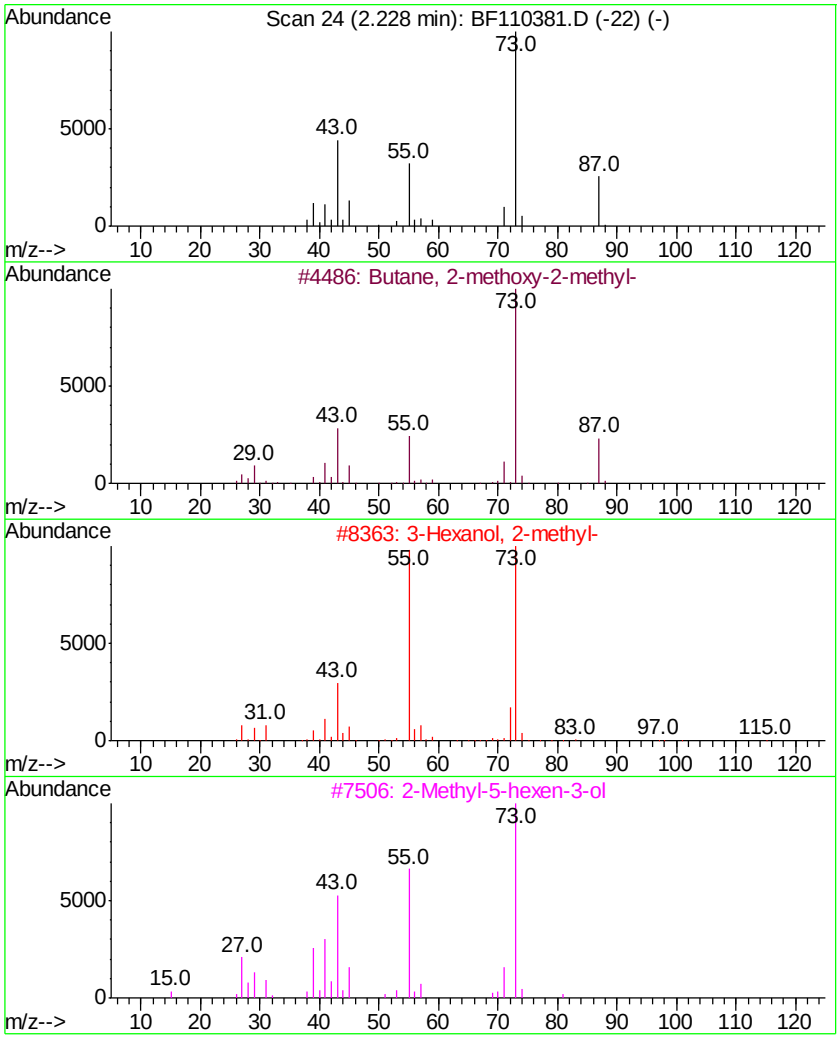
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

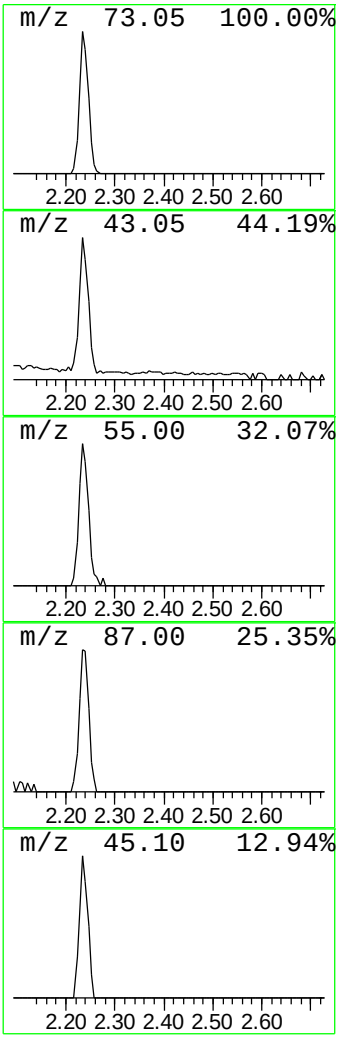
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.23	5.87 ng	116253	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	72
2	3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	25
3	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	25
4	Boronic acid, ethyl-, dimethyl e...	102	C4H11BO2	007318-82-3	12
5	Acetamide, N-methyl-	73	C3H7NO	000079-16-3	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110118\
Data File : BF110381.D
Acq On : 1 Nov 2018 21:28
Operator : JU/SJ
Sample : J5200-19 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-103118-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

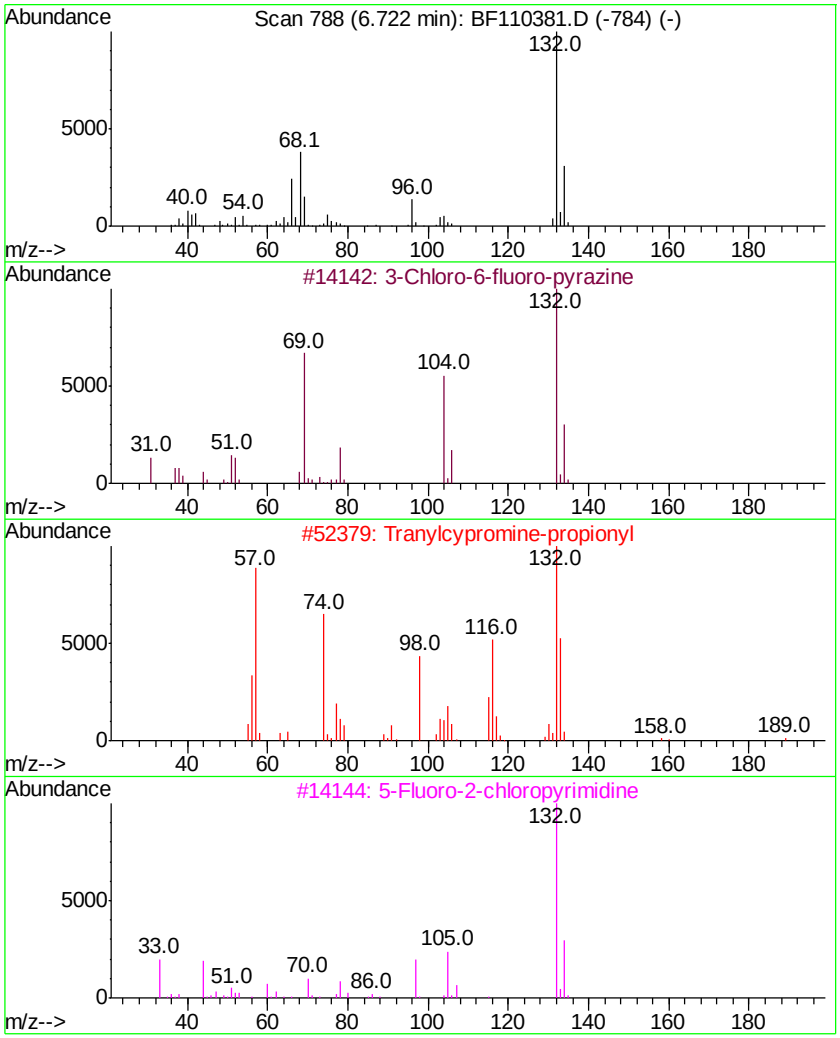
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

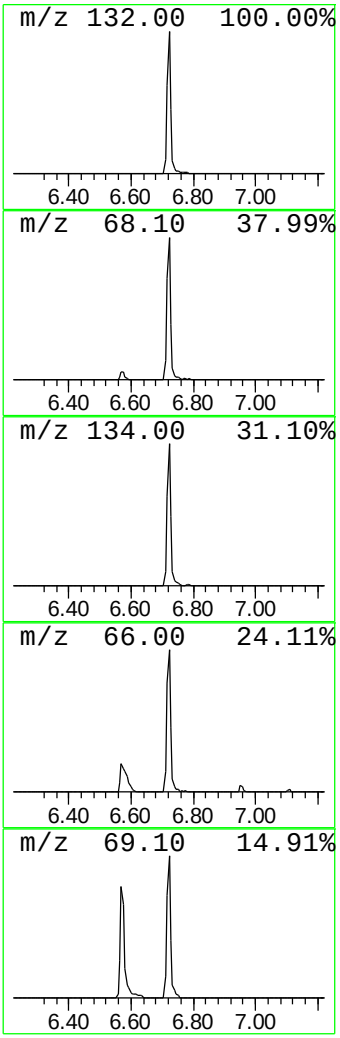
****

Peak Number 2 unknown6.72 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.72	15.92 ng	315526	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	Cyclopropanamine, 1-phenyl-	133	C9H11N	1000351-26-2	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110118\
Data File : BF110381.D
Acq On : 1 Nov 2018 21:28
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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-103118-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

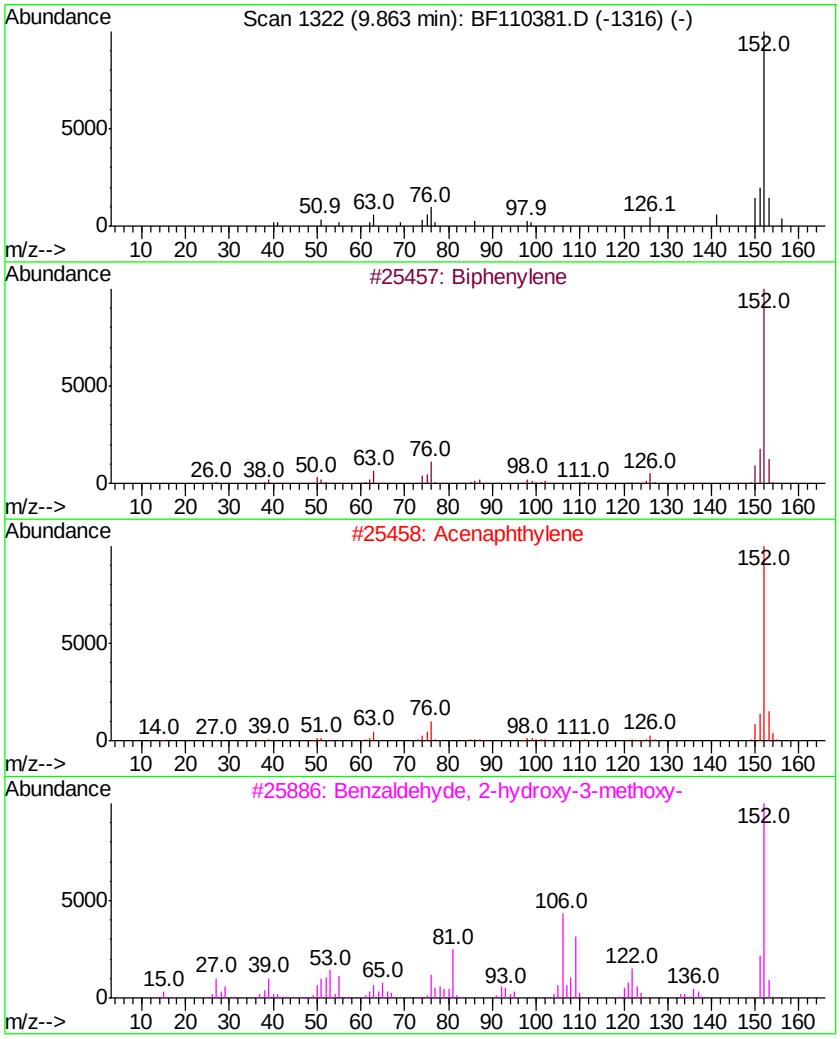
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

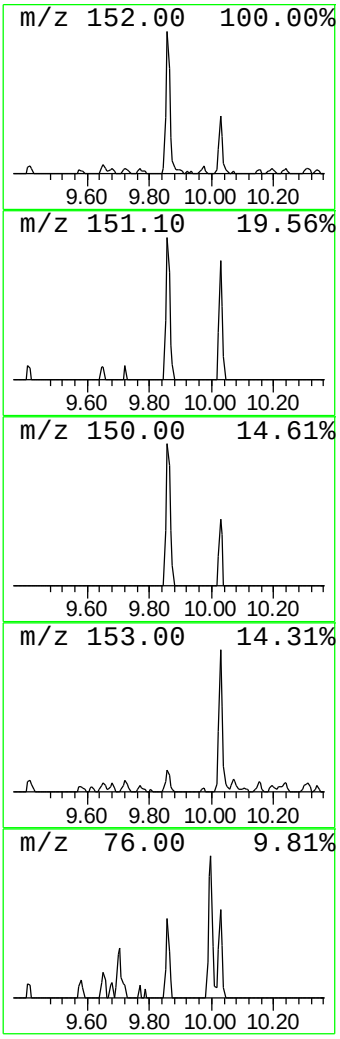
****

Peak Number 4 Biphenylene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.86	2.25 ng	50799	Acenaphthene-d10	10.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenylene	152	C12H8	000259-79-0	93
2	Acenaphthylene	152	C12H8	000208-96-8	87
3	Benzaldehyde, 2-hydroxy-3-methoxy-	152	C8H8O3	000148-53-8	45
4	1-acenaphthenol, trifluoroacetat...	266	C14H9F3O2	1000376-45-2	38
5	Benzonitrile, 2-amino-5-chloro-	152	C7H5ClN2	005922-60-1	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110118\
Data File : BF110381.D
Acq On : 1 Nov 2018 21:28
Operator : JU/SJ
Sample : J5200-19 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-103118-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

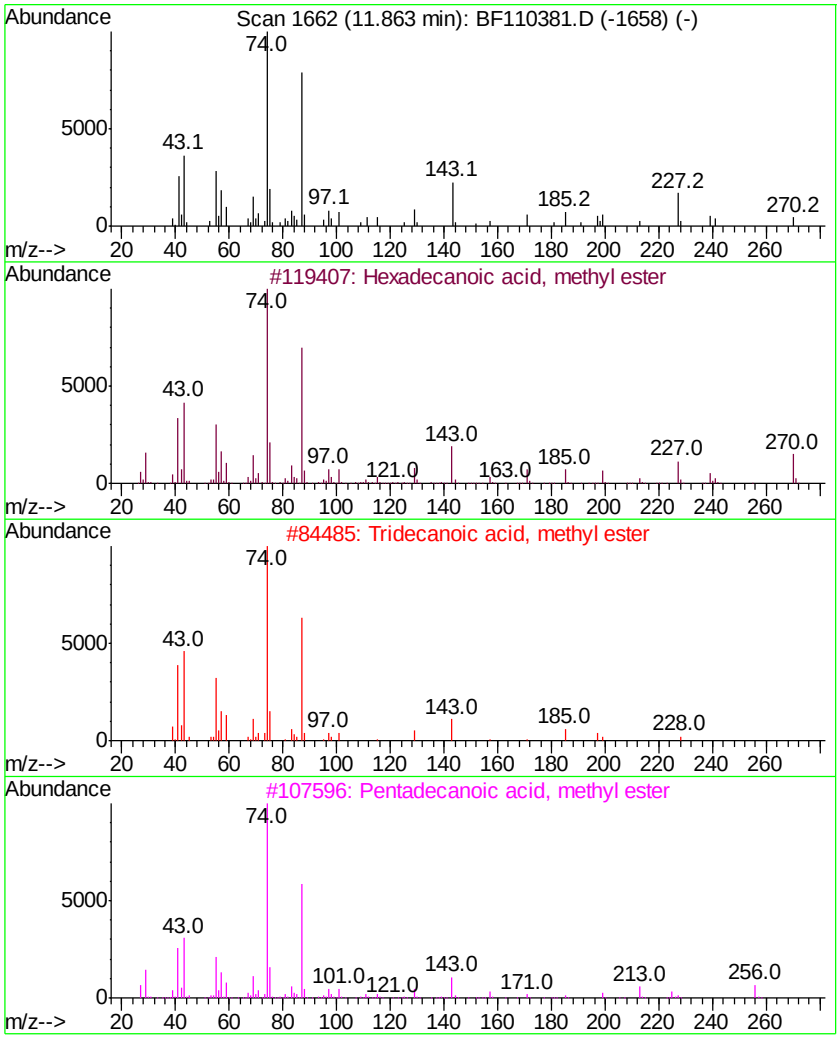
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

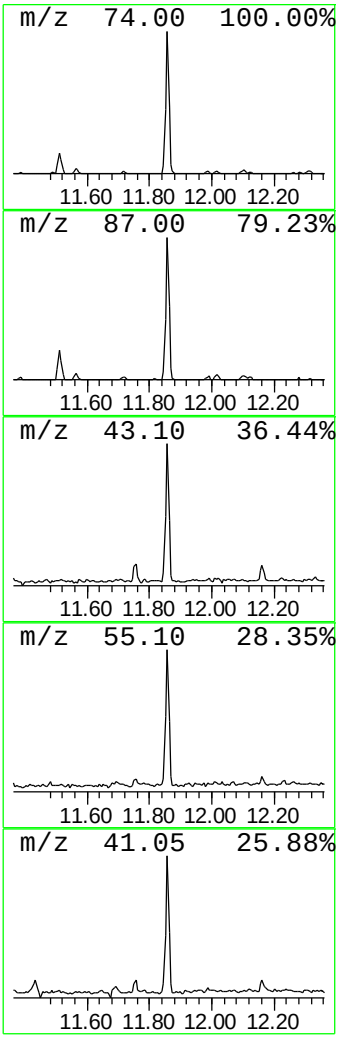
****

Peak Number 5 Hexadecanoic acid, methyl e... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	6.17 ng	137292	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	97
2	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	90
3	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86
4	Methyl tetradecanoate	242	C15H30O2	000124-10-7	83
5	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110118\
Data File : BF110381.D
Acq On : 1 Nov 2018 21:28
Operator : JU/SJ
Sample : J5200-19 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-103118-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

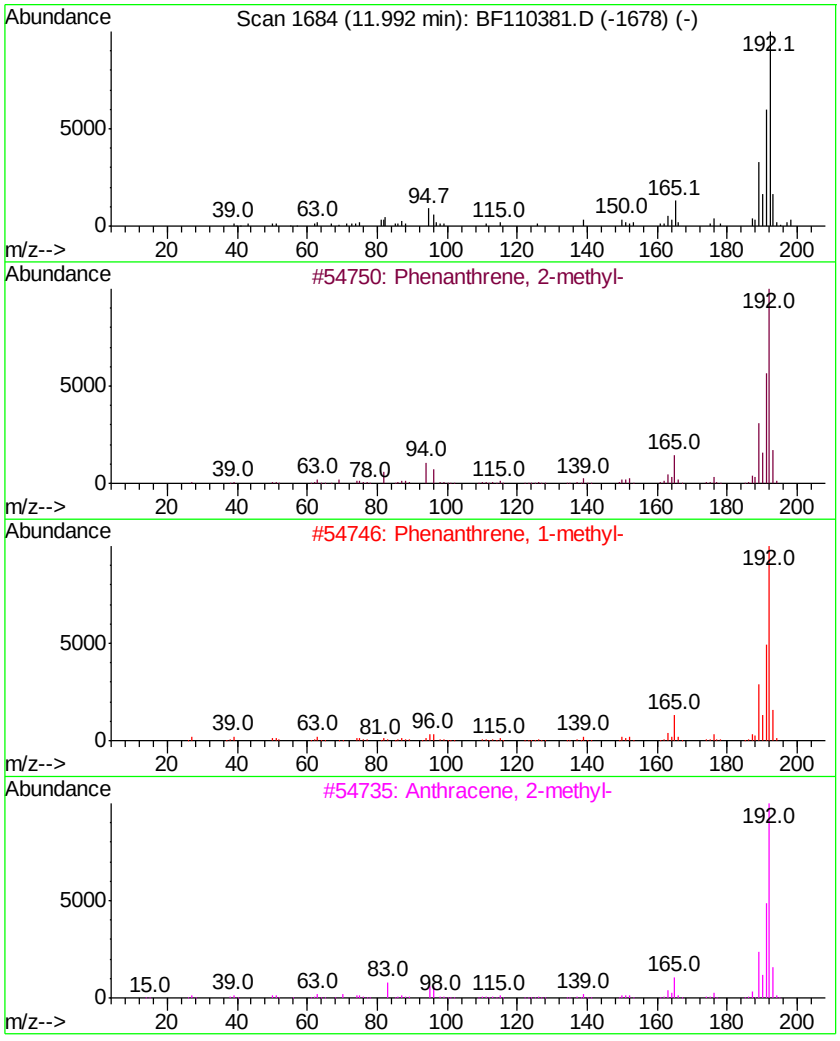
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

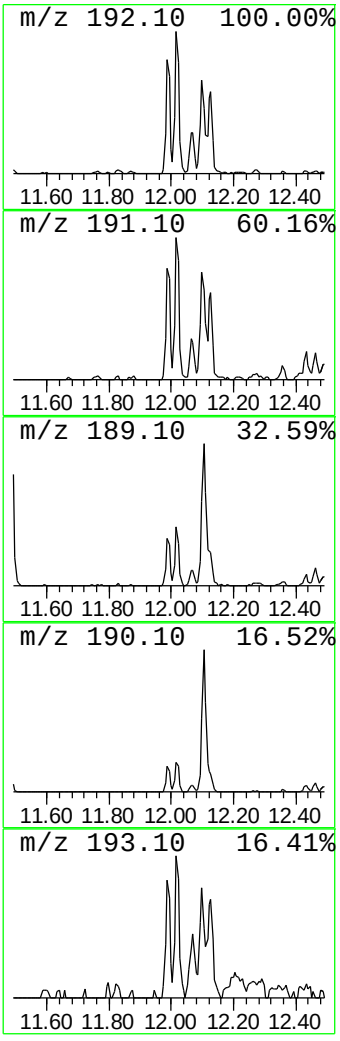
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	4.90 ng	109099	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Acq On : 1 Nov 2018 21:28
Operator : JU/SJ
Sample : J5200-19 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-103118-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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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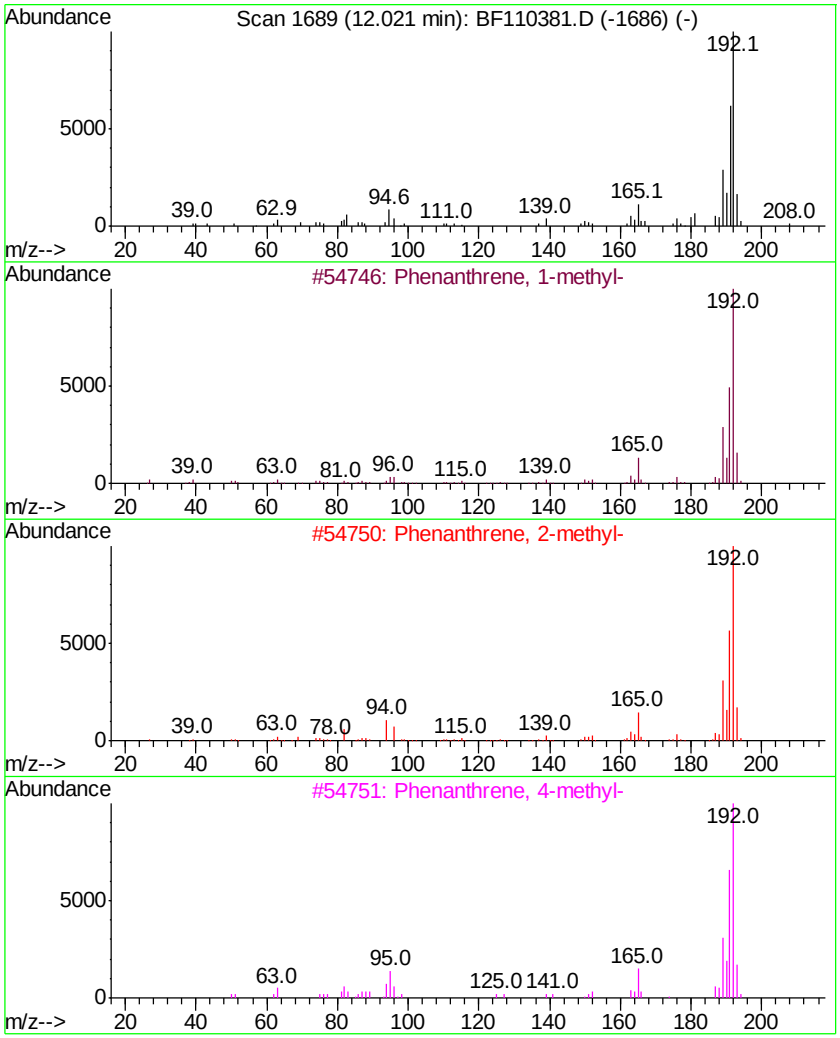
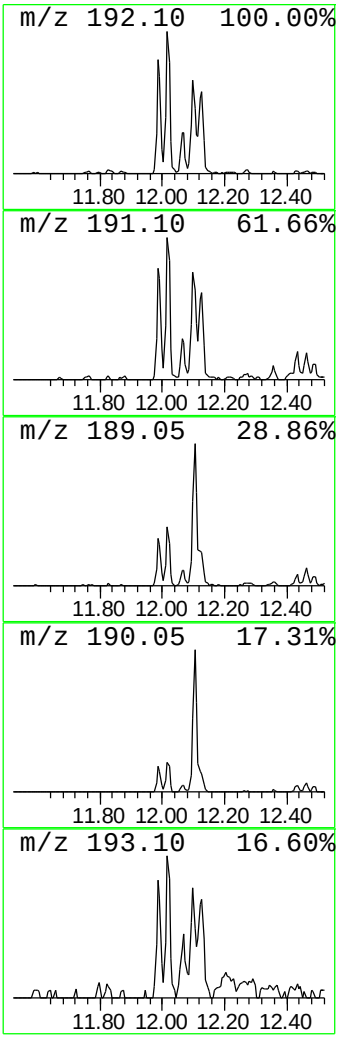
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	5.34 ng	118789	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95





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Misc :
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Instrument : BNA_F
ClientSampleId : OR-03-103118-B

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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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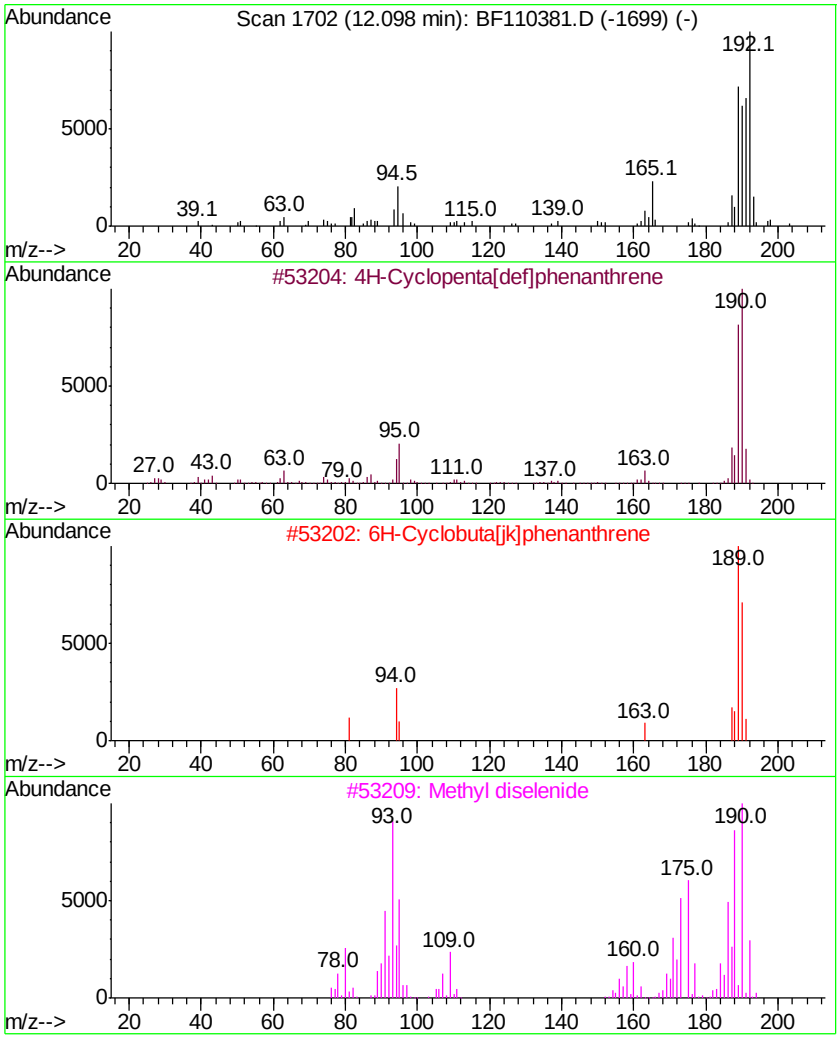
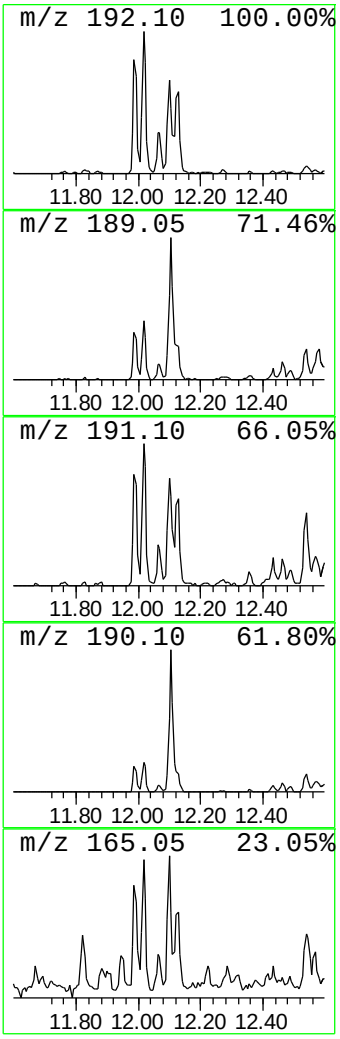
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	7.53 ng	167608	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
3	Methyl diselenide	190	C2H6Se2	007101-31-7	41
4	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	38
5	3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	27





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Misc :
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Instrument : BNA_F
ClientSampleId : OR-03-103118-B

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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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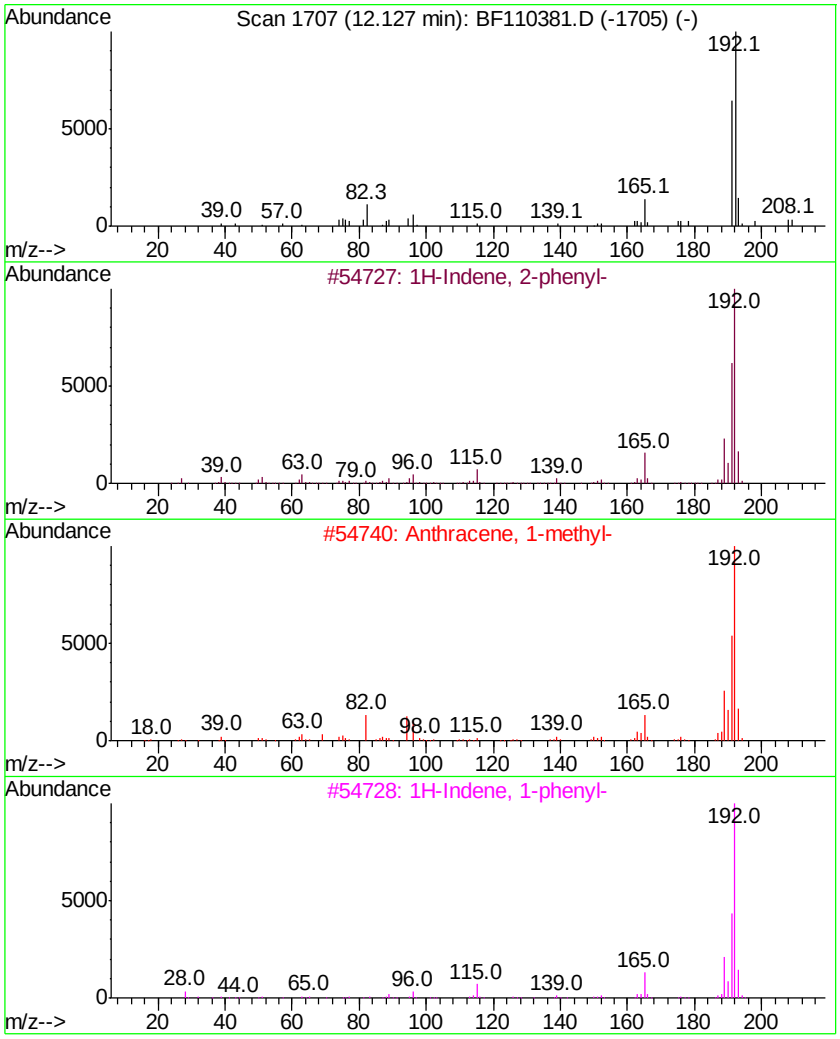
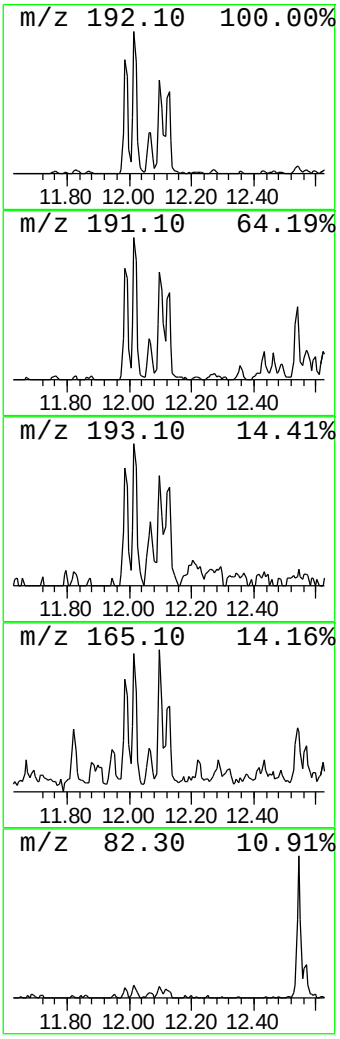
Peak Number 9 1H-Indene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	2.81 ng	62572	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	86
3	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	83
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	83
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83





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Misc :
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Instrument : BNA_F
ClientSampleId : OR-03-103118-B

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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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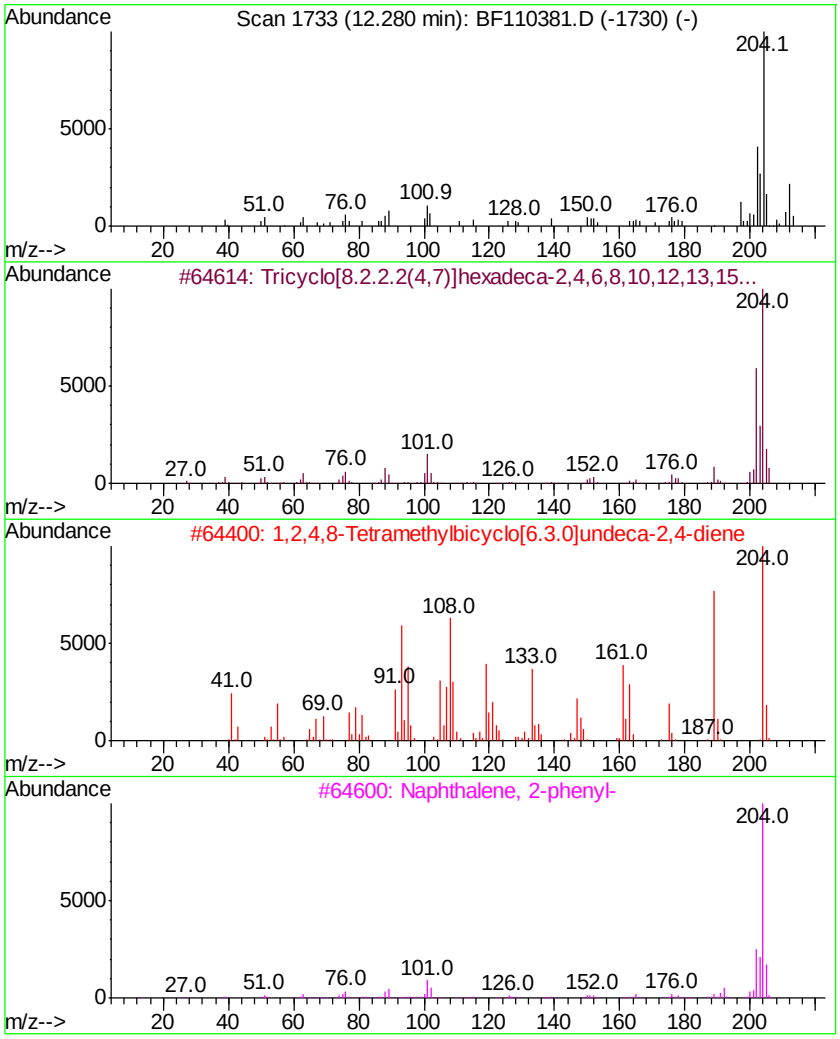
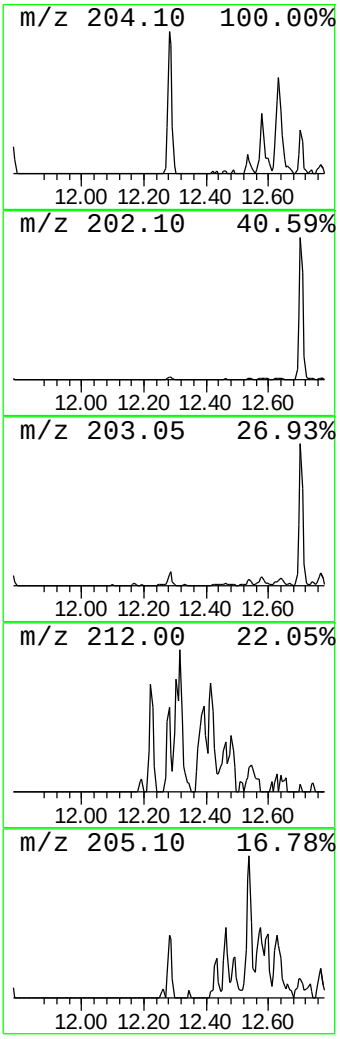
Peak Number 10 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	2.21 ng	49200	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	90
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	43
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43





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Sample : J5200-19 5X
Misc :
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ClientSampleId : OR-03-103118-B

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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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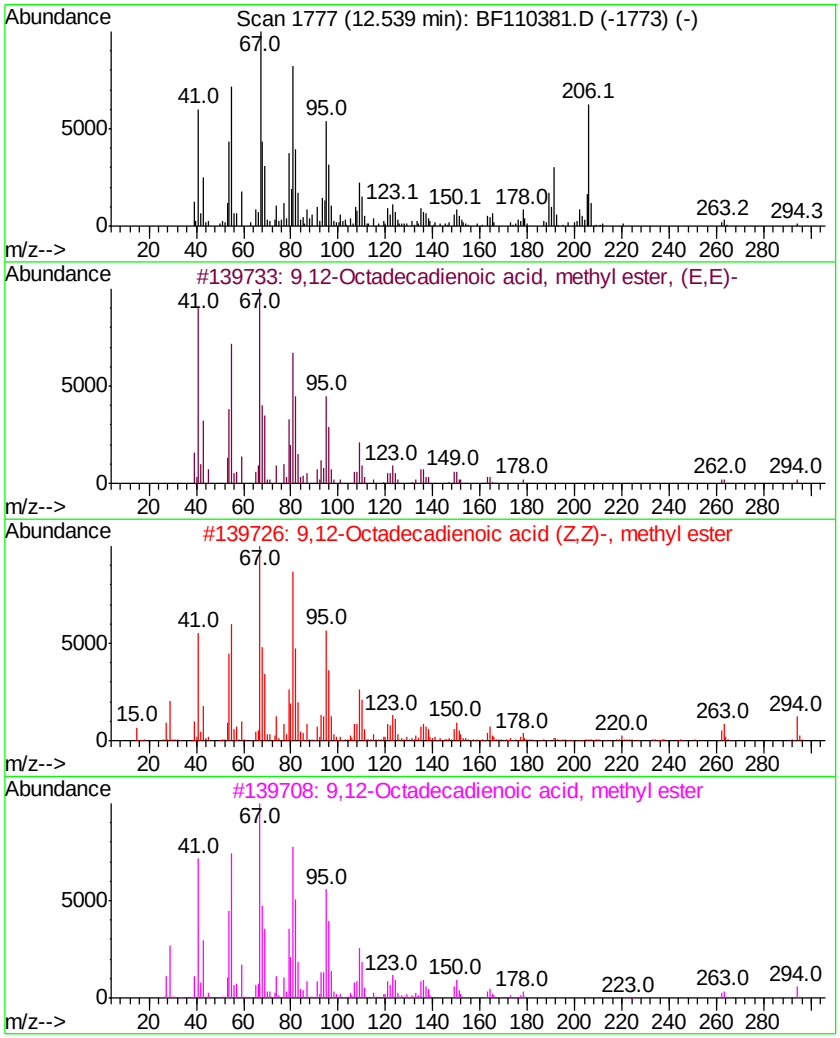
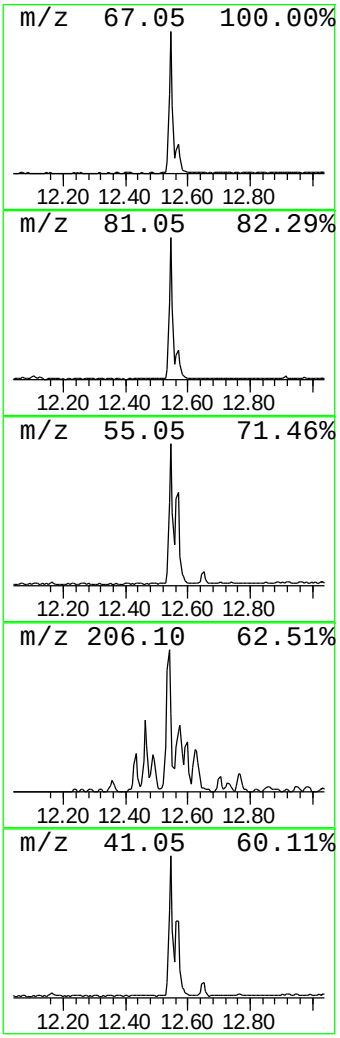
Peak Number 11 9,12-Octadecadienoic acid, ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	32.76 ng	729247	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
3	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
4	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	98
5	9,12-Octadecadienoic acid (Z,Z)-	280	C18H32O2	000060-33-3	94





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Operator : JU/SJ
Sample : J5200-19 5X
Misc :
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Instrument : BNA_F
ClientSampleId : OR-03-103118-B

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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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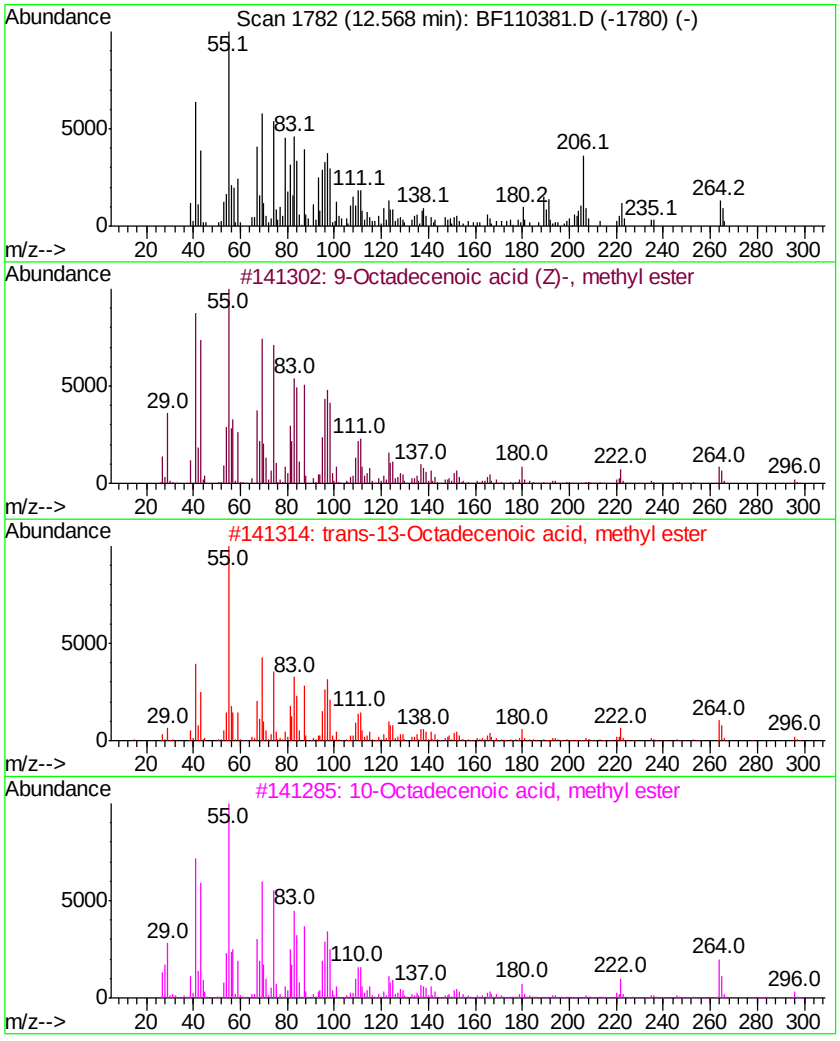
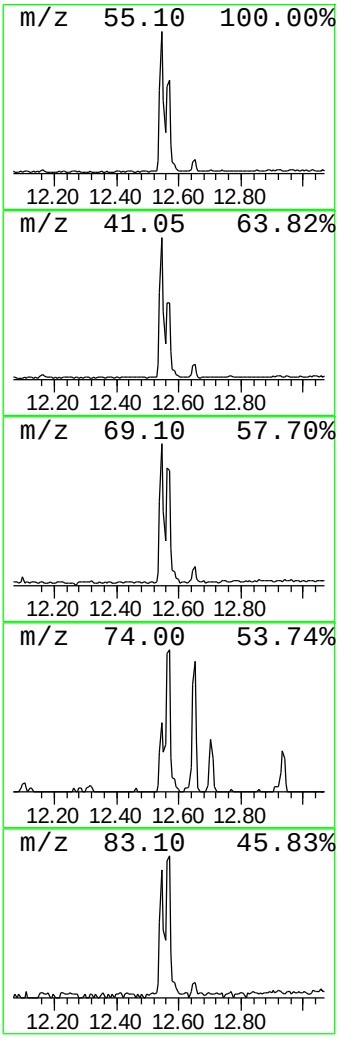
Peak Number 12 9-Octadecenoic acid (Z)-, m... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	19.76 ng	439944	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	93
2	trans-13-Octadecenoic acid, meth...	296	C19H36O2	1000333-61-3	87
3	10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	87
4	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	83
5	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	81





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Sample : J5200-19 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-103118-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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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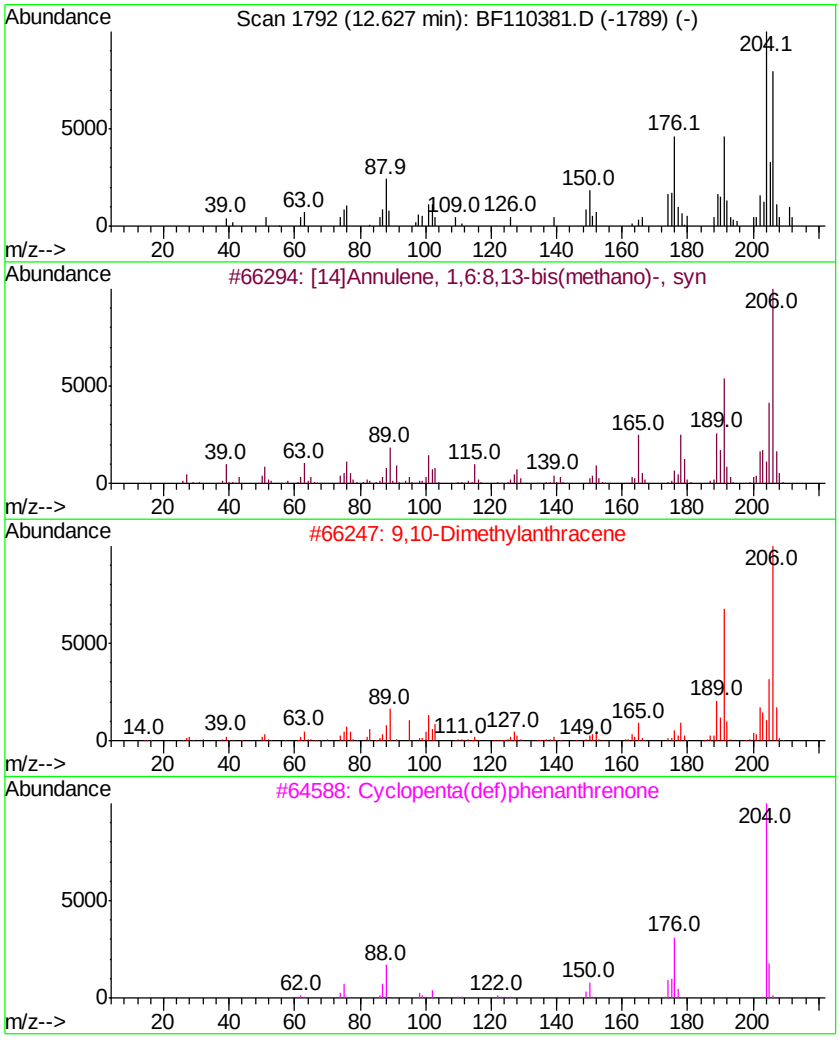
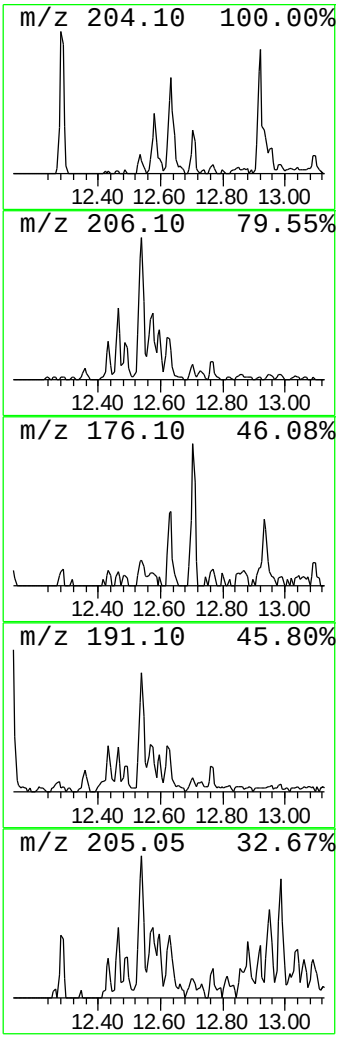
Peak Number 13 [14]Annulene, 1,6:8,13-bis(... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	2.85 ng	63535	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	64
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	50
3	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	50
4	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	46
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	46





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

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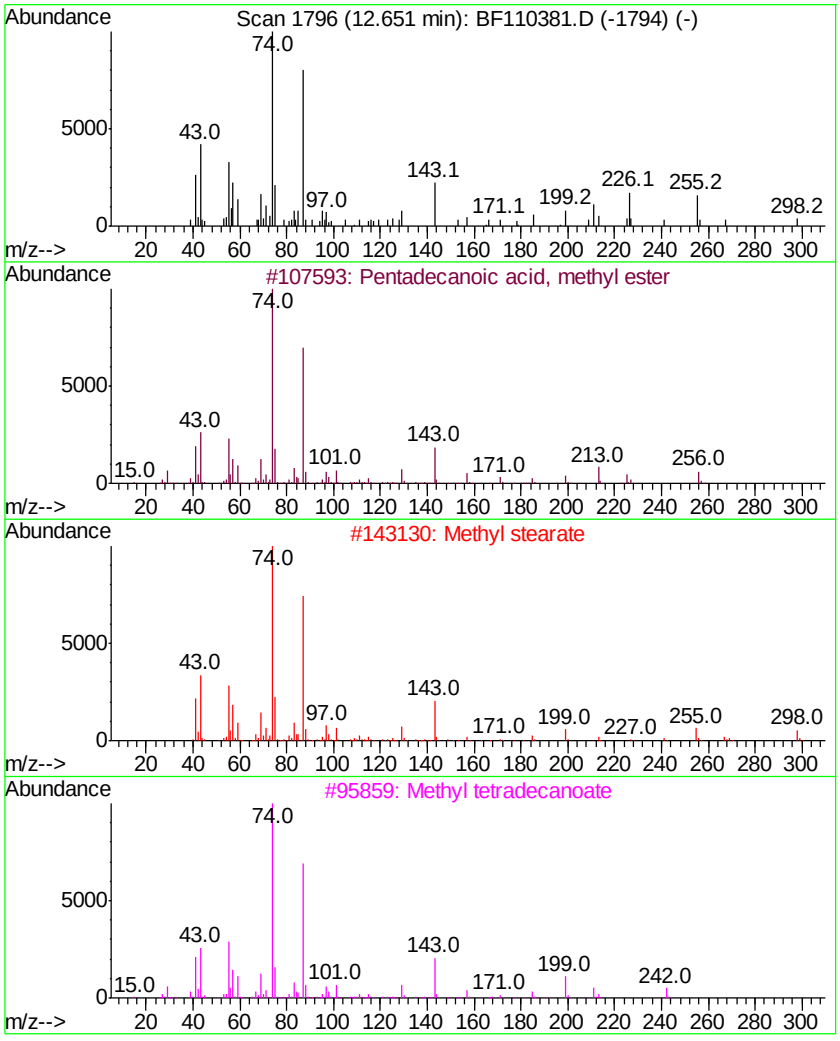
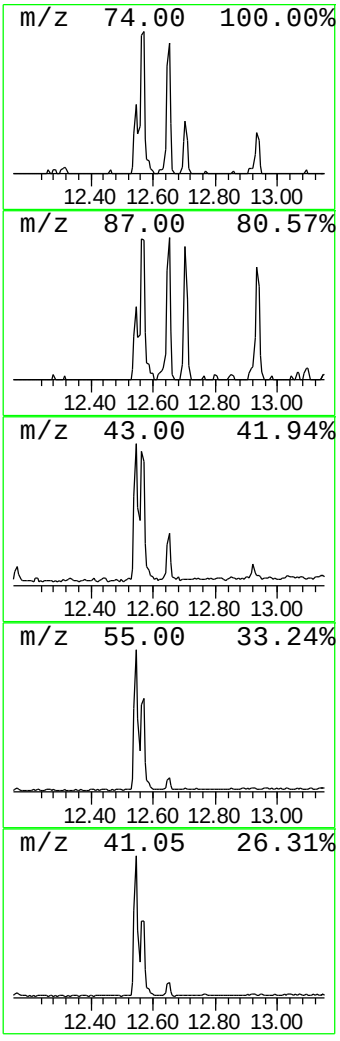
Peak Number 14 Pentadecanoic acid, methyl ... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	3.49 ng	77726	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	83
2	Methyl stearate	298	C19H38O2	000112-61-8	80
3	Methyl tetradecanoate	242	C15H30O2	000124-10-7	72
4	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	64
5	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	64





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Sample : J5200-19 5X
Misc :
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Instrument : BNA_F
ClientSampleId : OR-03-103118-B

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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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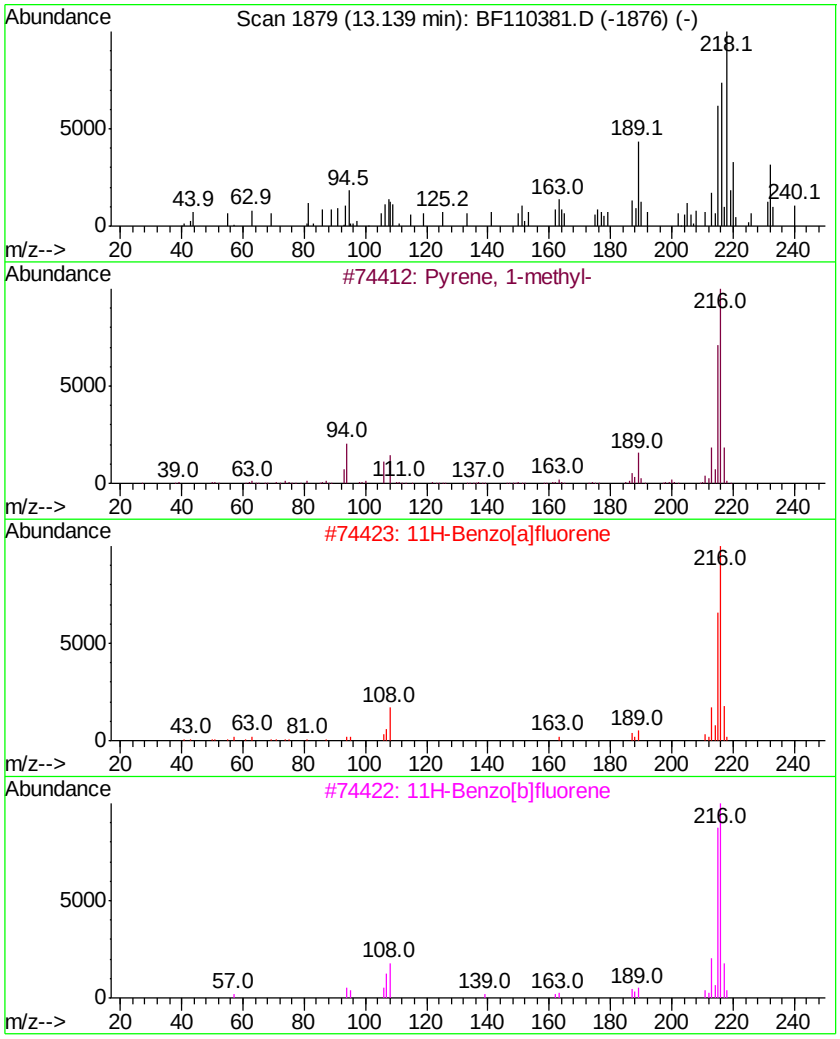
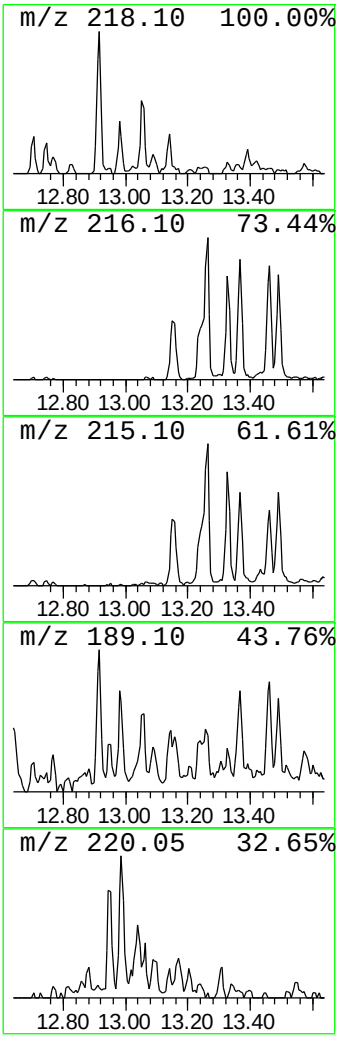
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.14	2.22 ng	98831	Chrysene-d12	14.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	70
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	68
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	58





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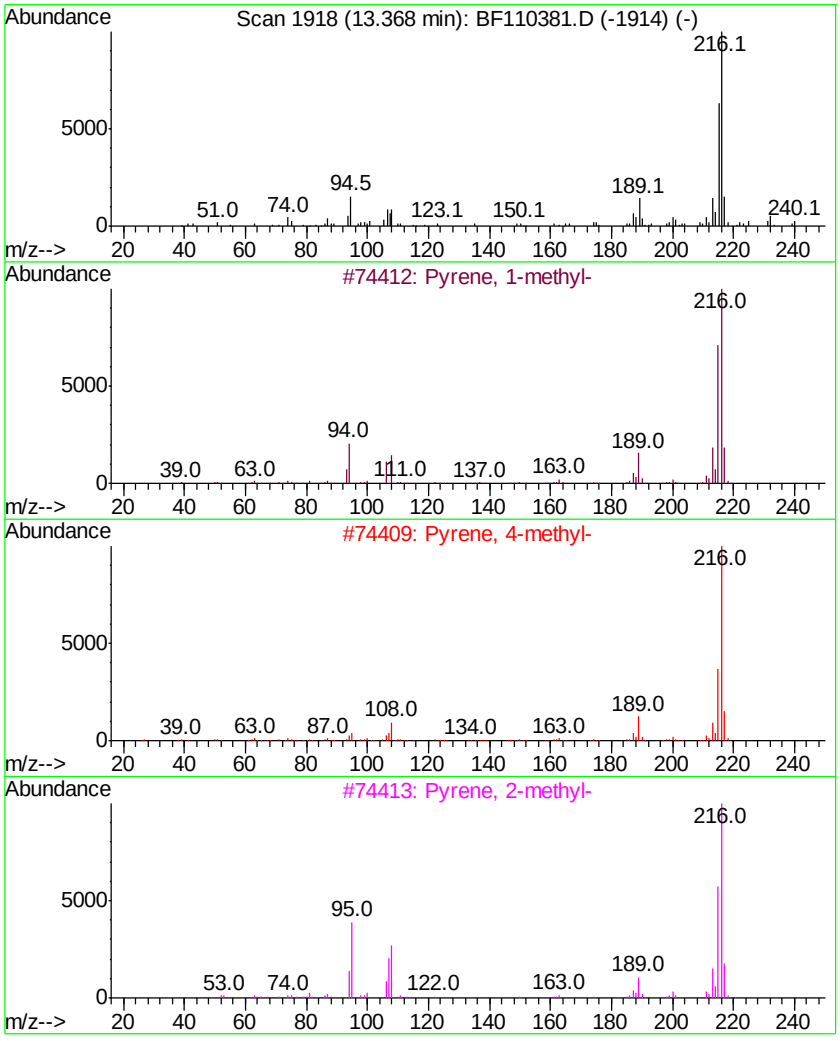
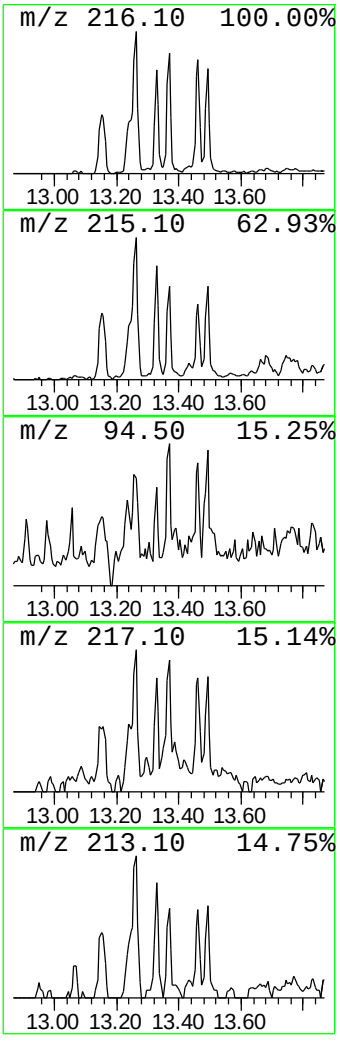
Peak Number 16 Pyrene, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.37	2.13 ng	94706	Chrysene-d12	14.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	94
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76





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

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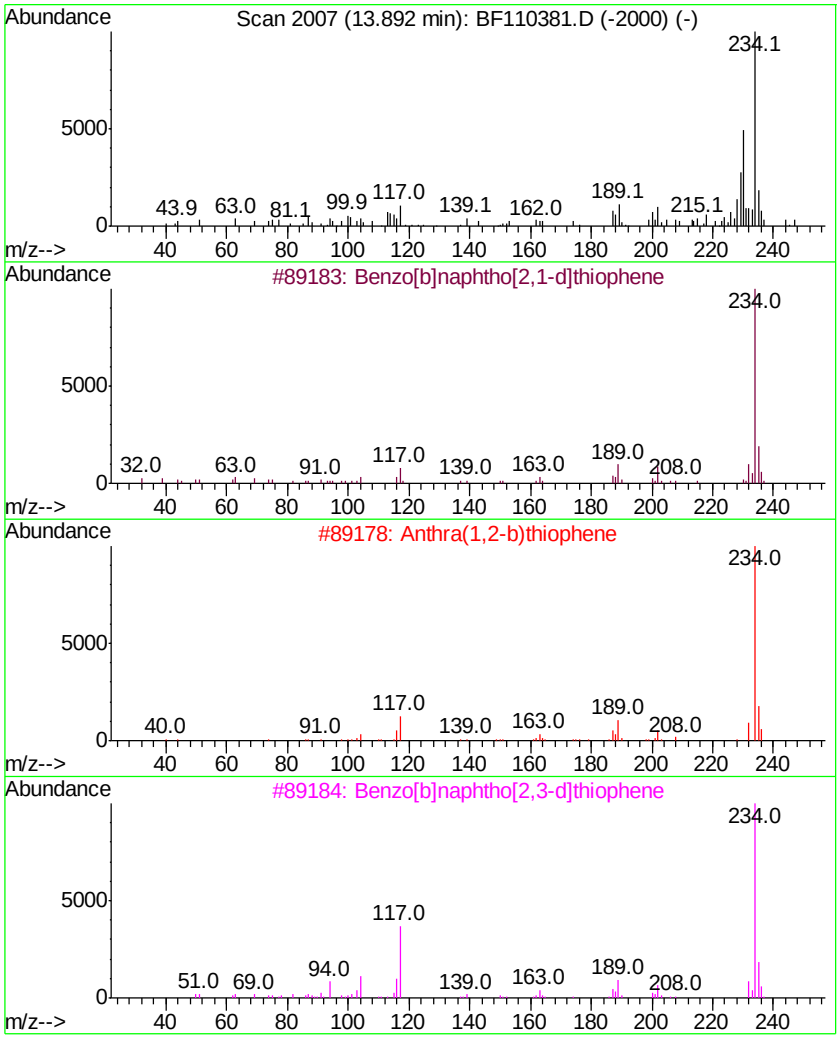
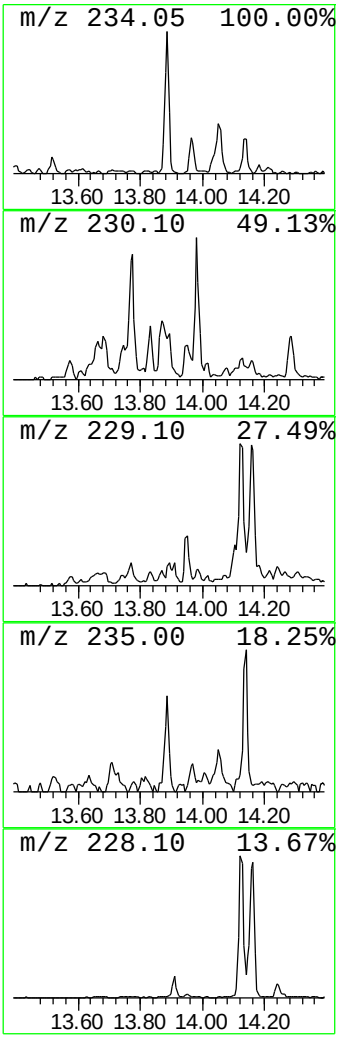
Peak Number 17 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	2.55 ng	113481	Chrysene-d12	14.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	90
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	87
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	87
5	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	87





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Data File : BF110381.D
Acq On : 1 Nov 2018 21:28
Operator : JU/SJ
Sample : J5200-19 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-103118-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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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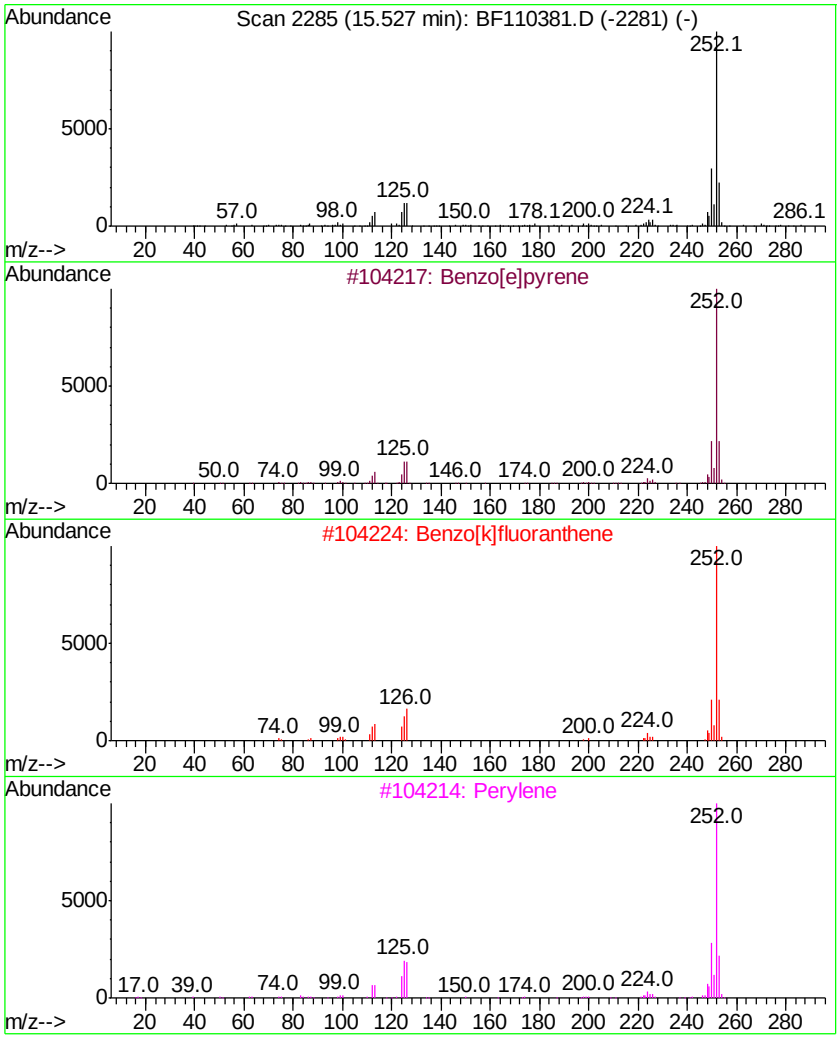
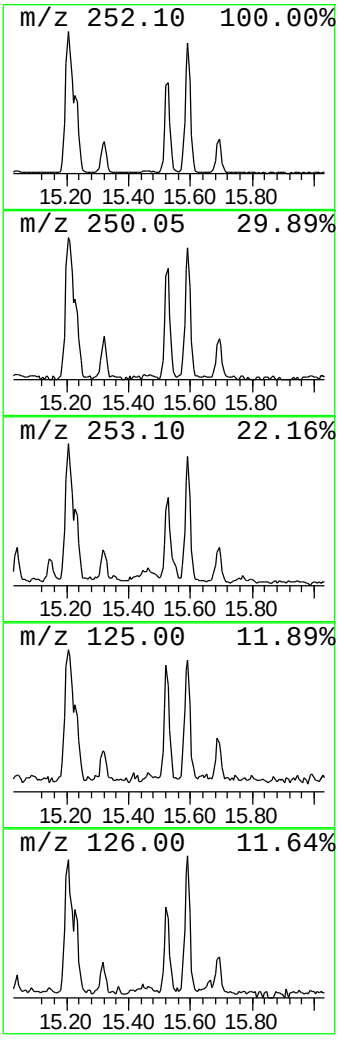
Peak Number 18 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	5.93 ng	154958	Perylene-d12	15.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Perylene	252	C20H12	000198-55-0	95
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110118\
Data File : BF110381.D
Acq On : 1 Nov 2018 21:28
Operator : JU/SJ
Sample : J5200-19 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-103118-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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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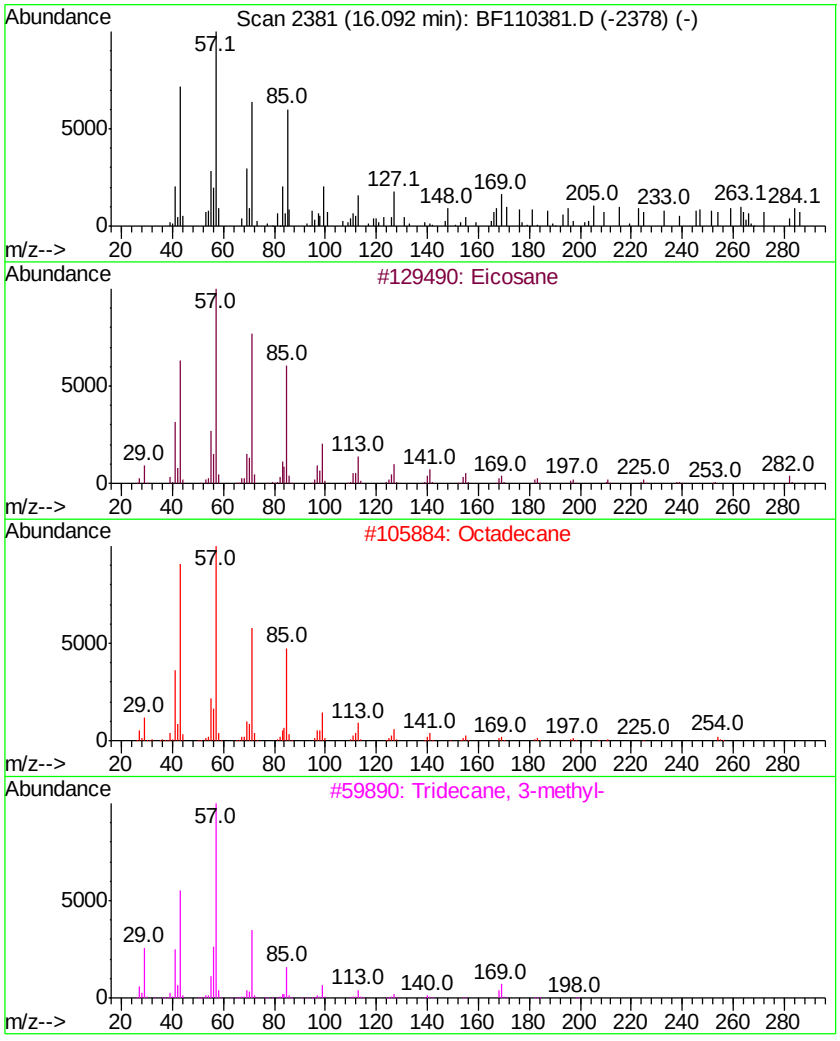
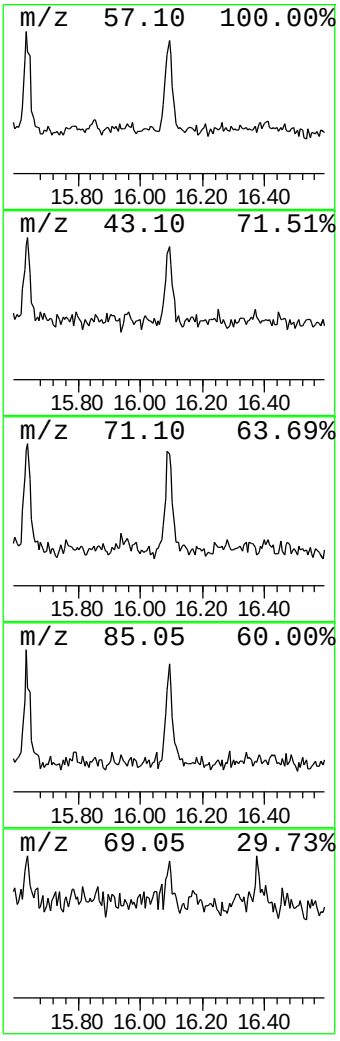
Peak Number 19 Eicosane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.09	2.64 ng	68916	Perylene-d12	15.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	86
2	Octadecane	254	C18H38	000593-45-3	64
3	Tridecane, 3-methyl-	198	C14H30	006418-41-3	50
4	Heneicosane	296	C21H44	000629-94-7	50
5	Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	50





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110118\
Data File : BF110381.D
Acq On : 1 Nov 2018 21:28
Operator : JU/SJ
Sample : J5200-19 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-103118-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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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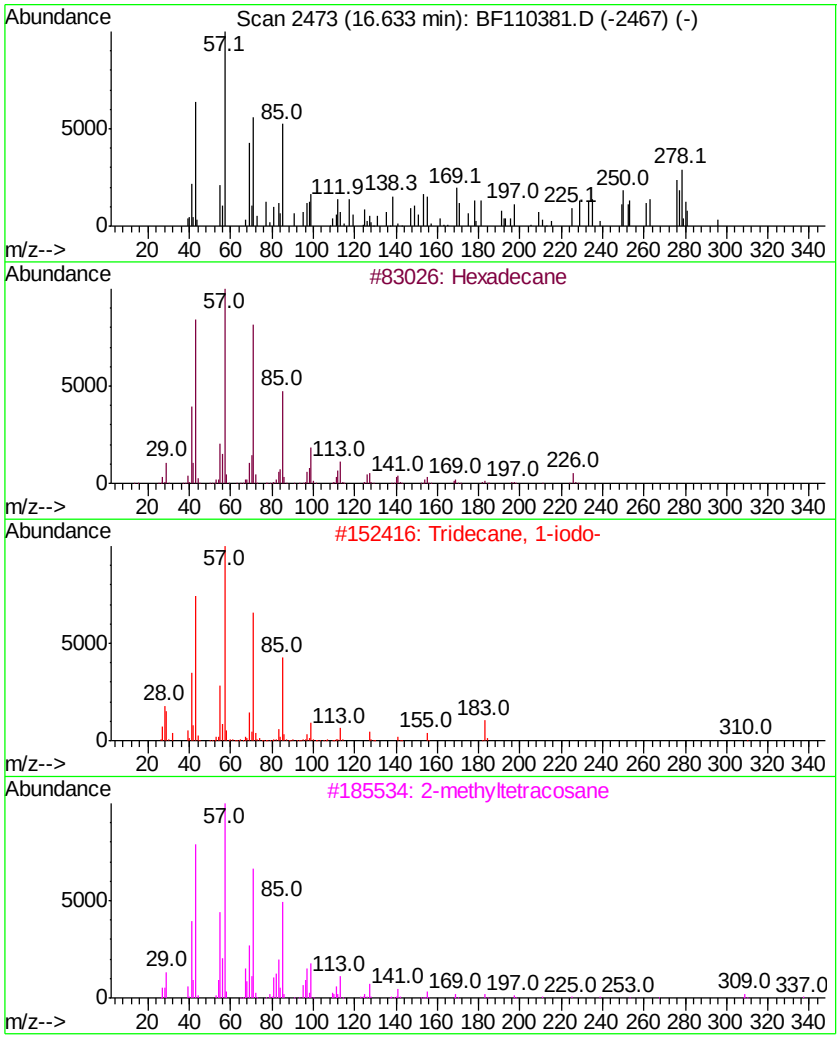
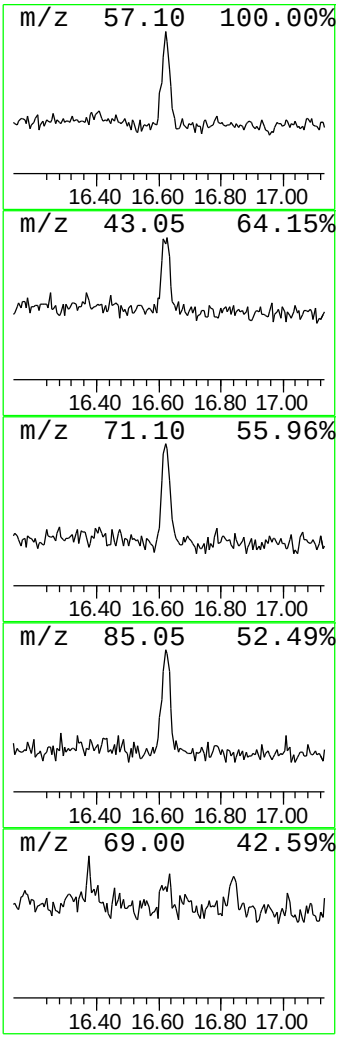
Peak Number 20 unknown16.63 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.63	2.31 ng	60413	Perylene-d12	15.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	45
2	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	43
3	2-methyltetracosane	352	C25H52	1000376-72-6	43
4	Sulfurous acid, butyl tridecyl e...	320	C17H36O3S	1000309-18-0	38
5	Undecane, 3-methyl-	170	C12H26	001002-43-3	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF110118\
Data File : BF110381.D
Acq On : 1 Nov 2018 21:28
Operator : JU/SJ
Sample : J5200-19 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-103118-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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...	2.23	5.9	ng	116253	1	6.96	396318	20.0
unknown6.72	6.72	15.9	ng	315526	1	6.96	396318	20.0
Biphenylene	9.86	2.3	ng	50799	3	10.00	451418	20.0
Hexadecanoic acid...	11.86	6.2	ng	137292	4	11.49	445220	20.0
Phenanthrene, 2-m...	11.99	4.9	ng	109099	4	11.49	445220	20.0
Phenanthrene, 1-m...	12.02	5.3	ng	118789	4	11.49	445220	20.0
4H-Cyclopenta[def...	12.10	7.5	ng	167608	4	11.49	445220	20.0
1H-Indene, 2-phenyl-	12.13	2.8	ng	62572	4	11.49	445220	20.0
Tricyclo[8.2.2.2(...	12.28	2.2	ng	49200	4	11.49	445220	20.0
9,12-Octadecadien...	12.54	32.8	ng	729247	4	11.49	445220	20.0
9-Octadecenoic ac...	12.57	19.8	ng	439944	4	11.49	445220	20.0
[14]Annulene, 1,6...	12.63	2.9	ng	63535	4	11.49	445220	20.0
Pentadecanoic aci...	12.65	3.5	ng	77726	4	11.49	445220	20.0
Pyrene, 1-methyl-	13.14	2.2	ng	98831	5	14.13	891018	20.0
Pyrene, 4-methyl-	13.37	2.1	ng	94706	5	14.13	891018	20.0
Benzo[b]naphtho[2...	13.89	2.5	ng	113481	5	14.13	891018	20.0
Benzo[e]pyrene	15.53	5.9	ng	154958	6	15.66	522736	20.0
Eicosane	16.09	2.6	ng	68916	6	15.66	522736	20.0
unknown16.63	16.63	2.3	ng	60413	6	15.66	522736	20.0