LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
Data File : BF125998.D
Acq On : 28 Oct 2021 20:05
Operator : JU/CG
Sample : M4373-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-102621

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-BF102521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF125998.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.463	570	574	578	rBV	1078561	950713	30.31%	2.224%
2	6.475	742	746	749	rBV	1181619	914703	29.16%	2.139%
3	6.857	808	811	815	rBV	1488645	1172189	37.37%	2.742%
4	7.416	902	906	909	rBV	626832	538602	17.17%	1.260%
5	8.045	1005	1013	1020	rBV	82195	113909	3.63%	0.266%
6	8.139	1025	1029	1032	rBV	1787455	1439864	45.91%	3.368%
7	8.733	1127	1130	1134	rBV	47609	45248	1.44%	0.106%
8	8.851	1148	1150	1153	rVB	55002	44787	1.43%	0.105%
9	8.951	1164	1167	1172	rBV2	64890	66324	2.11%	0.155%
10	9.169	1201	1204	1208	rVB2	46894	47570	1.52%	0.111%
11	9.216	1208	1212	1215	rBV	1113747	914804	29.17%	2.140%
12	9.298	1222	1226	1231	rBV2	111057	128414	4.09%	0.300%
13	9.480	1252	1257	1261	rBV4	84782	106861	3.41%	0.250%
14	9.551	1267	1269	1272	rBV2	73631	63833	2.04%	0.149%
15	9.580	1272	1274	1276	rVB	64983	50454	1.61%	0.118%
16	9.622	1276	1281	1283	rBV3	83898	101689	3.24%	0.238%
17	9.675	1287	1290	1294	rVB2	50521	69864	2.23%	0.163%
18	9.757	1301	1304	1308	rBV	89103	102120	3.26%	0.239%
19	9.828	1314	1316	1321	rVB	157992	131287	4.19%	0.307%
20	9.892	1321	1327	1330	rBV	1560067	1439232	45.89%	3.366%
21	9.928	1330	1333	1336	rVB	251201	203782	6.50%	0.477%
22	10.057	1351	1355	1356	rBV3	32463	39068	1.25%	0.091%
23	10.098	1359	1362	1365	rVB	209912	178076	5.68%	0.417%
24	10.327	1398	1401	1404	rVB	206617	164897	5.26%	0.386%
25	10.392	1409	1412	1416	rVB5	37525	41023	1.31%	0.096%
26	10.439	1417	1420	1426	rVB	450336	381619	12.17%	0.893%
27	10.527	1433	1435	1437	rBV	47287	51022	1.63%	0.119%
28	10.551	1437	1439	1441	rVV	114780	98354	3.14%	0.230%
29	10.598	1444	1447	1450	rVB2	109685	103455	3.30%	0.242%
30	10.675	1456	1460	1465	rBV2	615583	584342	18.63%	1.367%
31	10.804	1479	1482	1490	rVB	263485	329262	10.50%	0.770%
32	10.986	1509	1513	1516	rBV2	95632	111918	3.57%	0.262%
33	11.016	1516	1518	1524	rVB3	57448	66759	2.13%	0.156%
34	11.069	1524	1527	1530	rBV2	41768	43422	1.38%	0.102%
35	11.139	1537	1539	1541	rVB3	52729	40115	1.28%	0.094%
36	11.180	1544	1546	1550	rVB4	56260	53737	1.71%	0.126%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
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Acq On : 28 Oct 2021 20:05
Operator : JU/CG
Sample : M4373-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-102621

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-BF102521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.227	1551	1554	1555	rBV	55102	49821	1.59%	0.117%
38	11.251	1555	1558	1560	rVV	241533	199937	6.37%	0.468%
39	11.274	1560	1562	1568	rVB2	192231	221615	7.07%	0.518%
40	11.380	1576	1580	1582	rBV	1479593	1448688	46.19%	3.388%
41	11.404	1582	1584	1587	rVV	2446476	1823728	58.14%	4.266%
42	11.451	1589	1592	1596	rVV	774016	647050	20.63%	1.513%
43	11.486	1596	1598	1602	rVB3	50548	56403	1.80%	0.132%
44	11.604	1613	1618	1621	rBV	105121	118755	3.79%	0.278%
45	11.674	1627	1630	1633	rBV	270911	219962	7.01%	0.514%
46	11.698	1633	1634	1642	rVV4	76572	103472	3.30%	0.242%
47	11.774	1644	1647	1653	rVB	1800628	1484630	47.33%	3.472%
48	11.880	1662	1665	1667	rBV	271121	212190	6.76%	0.496%
49	11.904	1667	1669	1673	rVB	429797	394172	12.57%	0.922%
50	11.951	1674	1677	1680	rBV	143908	131353	4.19%	0.307%
51	11.992	1680	1684	1686	rVV	614014	569701	18.16%	1.332%
52	12.016	1686	1688	1692	rVB	192811	154702	4.93%	0.362%
53	12.063	1692	1696	1697	rBV4	33381	38882	1.24%	0.091%
54	12.086	1697	1700	1702	rBV2	162457	133158	4.25%	0.311%
55	12.174	1712	1715	1717	rBV	221841	183448	5.85%	0.429%
56	12.198	1717	1719	1722	rVB2	95429	80394	2.56%	0.188%
57	12.327	1735	1741	1743	rBV3	71467	97409	3.11%	0.228%
58	12.357	1743	1746	1748	rBV	64693	76564	2.44%	0.179%
59	12.427	1755	1758	1761	rBV	148313	153246	4.89%	0.358%
60	12.463	1761	1764	1766	rVV	1997880	1977925	63.06%	4.626%
61	12.486	1766	1768	1770	rVV	3917822	3136596	100.00%	7.336%
62	12.504	1770	1771	1778	rVB4	461055	378895	12.08%	0.886%
63	12.569	1779	1782	1784	rBV	1062763	920520	29.35%	2.153%
64	12.592	1784	1786	1789	rVB	3161235	2615342	83.38%	6.117%
65	12.680	1799	1801	1804	rBV2	40926	40357	1.29%	0.094%
66	12.745	1809	1812	1818	rVB	93698	123569	3.94%	0.289%
67	12.821	1819	1825	1828	rBV2	2700251	3032281	96.67%	7.092%
68	12.868	1831	1833	1838	rVB2	123325	138724	4.42%	0.324%
69	12.939	1842	1845	1846	rBV	187283	138110	4.40%	0.323%
70	12.963	1846	1849	1855	rVB	1072693	945310	30.14%	2.211%
71	13.039	1857	1862	1865	rBV3	177874	316756	10.10%	0.741%
72	13.145	1874	1880	1887	rVB	499591	665812	21.23%	1.557%
73	13.216	1887	1892	1894	rBV2	533684	549509	17.52%	1.285%
74	13.251	1894	1898	1901	rVB2	265907	238978	7.62%	0.559%
75	13.298	1904	1906	1909	rVB2	66532	65338	2.08%	0.153%
76	13.345	1911	1914	1916	rVB	107268	93599	2.98%	0.219%

LSC Area Percent Report

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Acq On : 28 Oct 2021 20:05
Operator : JU/CG
Sample : M4373-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-102621

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-BF102521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.374	1916	1919	1922	rBV	155688	147710	4.71%	0.345%
78	13.451	1929	1932	1936	rBV5	60759	84580	2.70%	0.198%
79	13.545	1946	1948	1950	rBV2	98476	84162	2.68%	0.197%
80	13.768	1981	1986	1988	rBV2	171328	244775	7.80%	0.573%
81	13.792	1988	1990	1992	rVV	198997	157642	5.03%	0.369%
82	13.815	1992	1994	1998	rVB2	152970	177240	5.65%	0.415%
83	14.015	2023	2028	2031	rBV2	1523959	2228429	71.05%	5.212%
84	14.045	2031	2033	2039	rVB	1098155	881063	28.09%	2.061%
85	14.121	2044	2046	2050	rVB	241722	190772	6.08%	0.446%
86	14.404	2092	2094	2096	rVB	181650	131640	4.20%	0.308%
87	14.498	2107	2110	2112	rBV2	156830	138813	4.43%	0.325%
88	14.527	2113	2115	2117	rBV	115977	109419	3.49%	0.256%
89	15.057	2201	2205	2208	rBV	662057	978052	31.18%	2.288%
90	15.362	2253	2257	2262	rVB	383739	495070	15.78%	1.158%
91	15.421	2263	2267	2271	rBV	589751	689652	21.99%	1.613%
92	15.486	2274	2278	2281	rBV	565938	656026	20.92%	1.534%
93	16.945	2522	2526	2534	rVB2	249472	449385	14.33%	1.051%

Sum of corrected areas: 42754649

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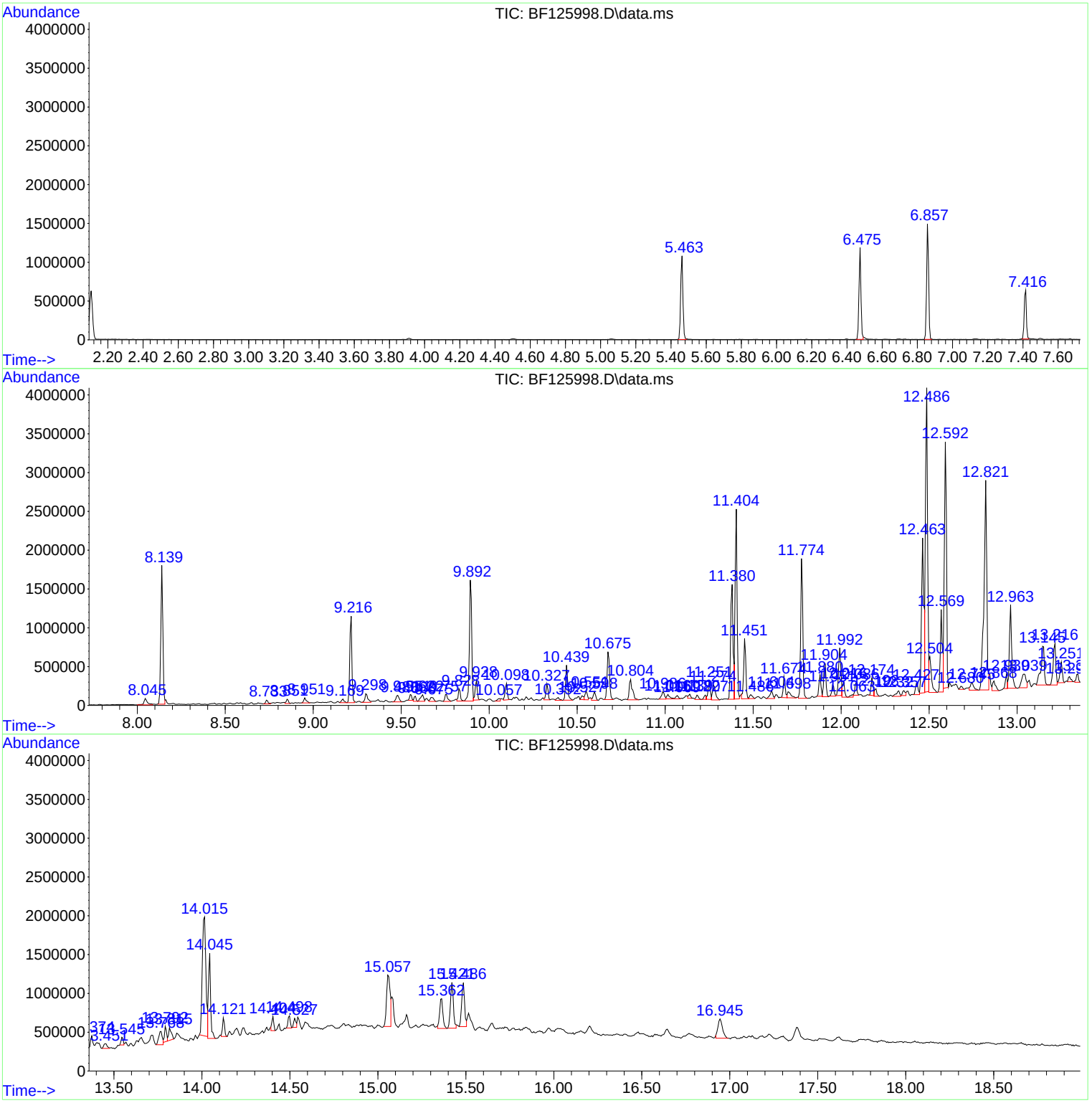
Data File : BF125998.D
Acq On : 28 Oct 2021 20:05
Operator : JU/CG
Sample : M4373-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-102621

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
Data File : BF125998.D
Acq On : 28 Oct 2021 20:05
Operator : JU/CG
Sample : M4373-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-102621

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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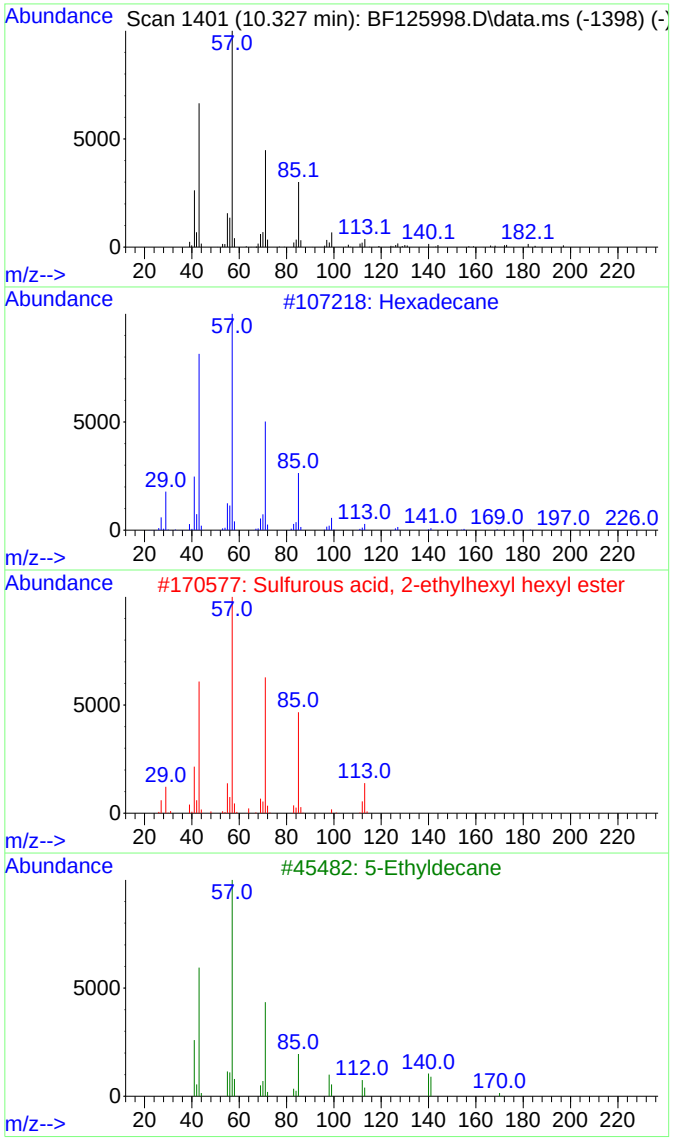
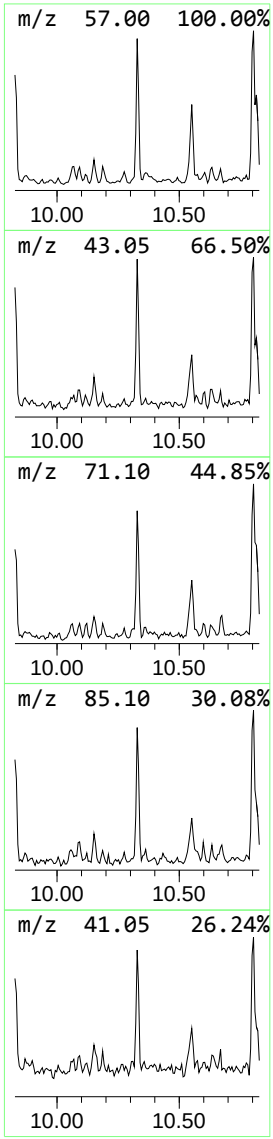
Peak Number 1 Hexadecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.328	2.29 ng	164897	Acenaphthene-d10	9.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	91
2	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	86
3	5-Ethyldecane	170	C12H26	017302-36-2	83
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	80
5	Tridecane, 7-propyl-	226	C16H34	055045-09-5	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
Data File : BF125998.D
Acq On : 28 Oct 2021 20:05
Operator : JU/CG
Sample : M4373-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-102621

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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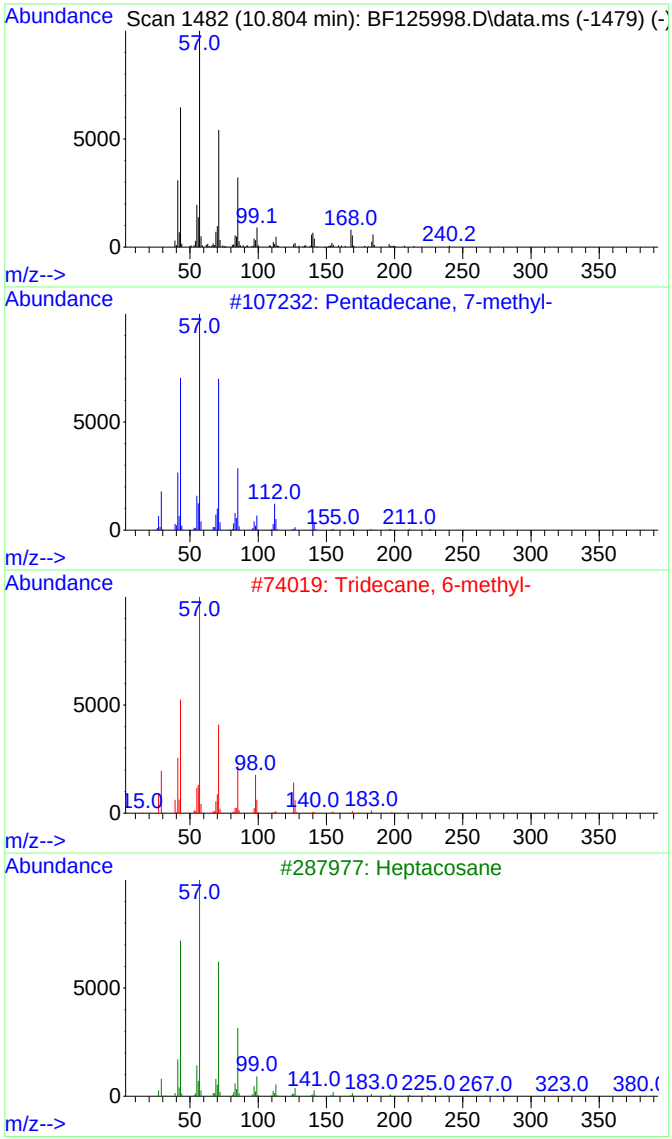
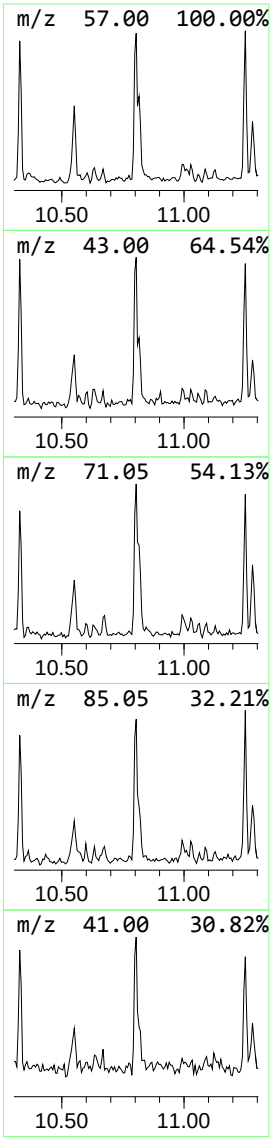
Peak Number 2 Pentadecane, 7-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.804	4.55 ng	329262	Phenanthrene-d10	11.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	83
2	Tridecane, 6-methyl-	198	C14H30	013287-21-3	76
3	Heptacosane	380	C27H56	000593-49-7	74
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	72
5	Tridecane	184	C13H28	000629-50-5	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
Data File : BF125998.D
Acq On : 28 Oct 2021 20:05
Operator : JU/CG
Sample : M4373-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-102621

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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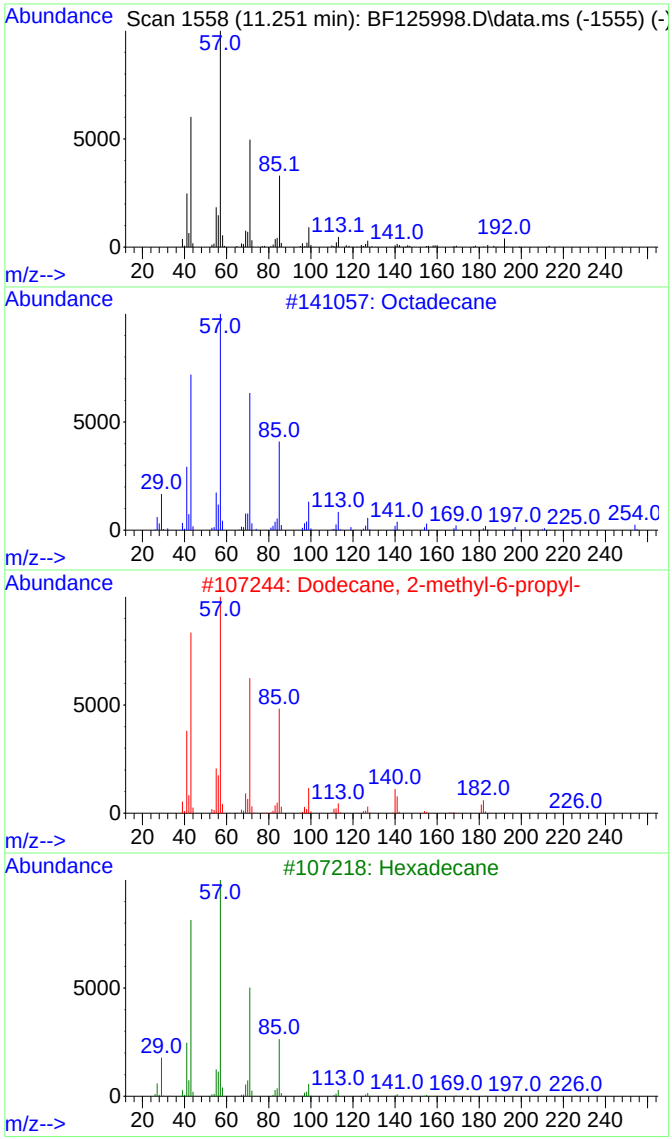
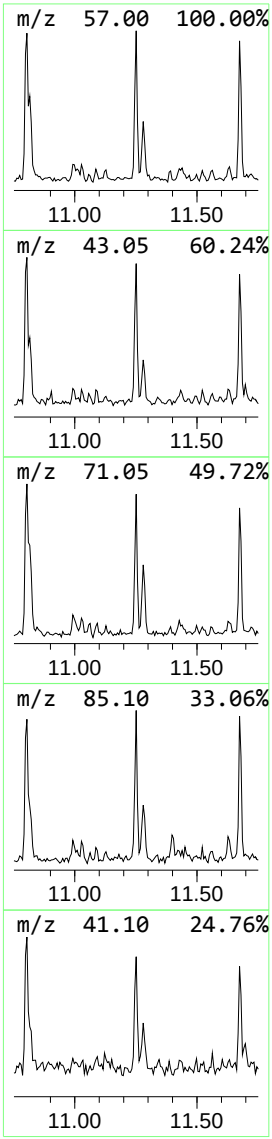
Peak Number 3 Octadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.251	2.76 ng	199937	Phenanthrene-d10	11.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	86
2	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	86
3	Hexadecane	226	C16H34	000544-76-3	86
4	Dodecane, 2-methyl-	184	C13H28	001560-97-0	83
5	Undecane, 4,8-dimethyl-	184	C13H28	017301-33-6	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
Data File : BF125998.D
Acq On : 28 Oct 2021 20:05
Operator : JU/CG
Sample : M4373-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-102621

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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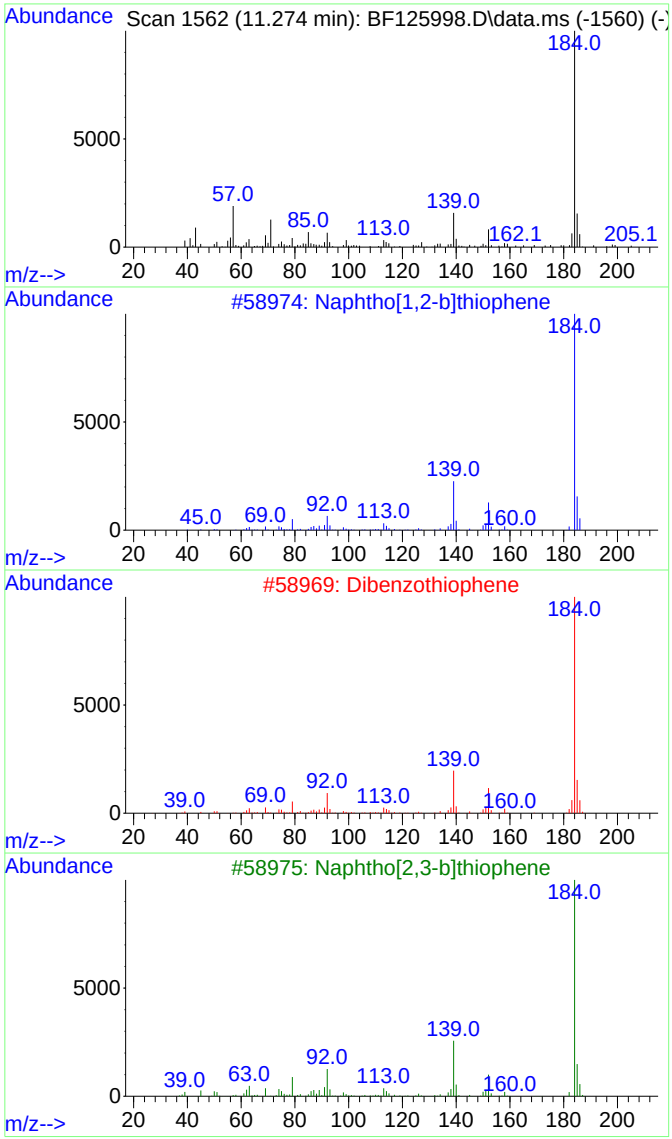
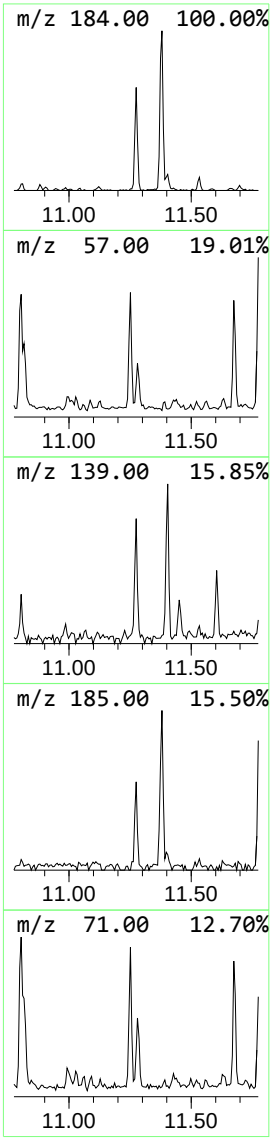
Peak Number 4 Naphtho[1,2-b]thiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.275	3.06 ng	221615	Phenanthrene-d10	11.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
2	Dibenzothiophene	184	C12H8S	000132-65-0	91
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	91
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
5	Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
Data File : BF125998.D
Acq On : 28 Oct 2021 20:05
Operator : JU/CG
Sample : M4373-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-102621

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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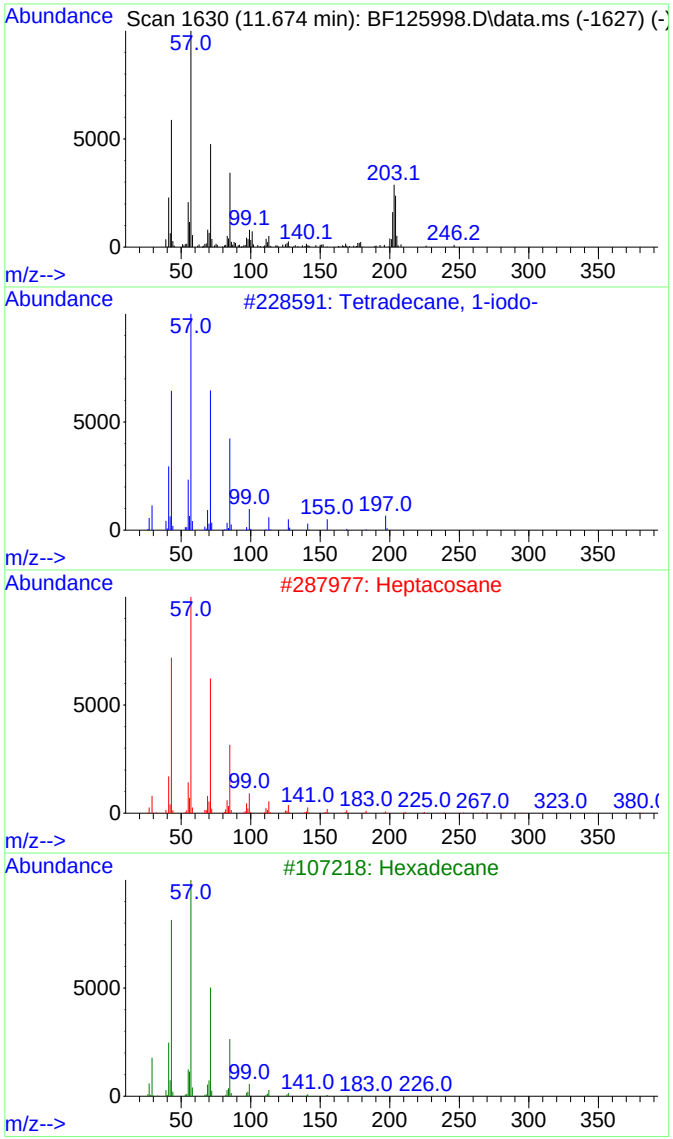
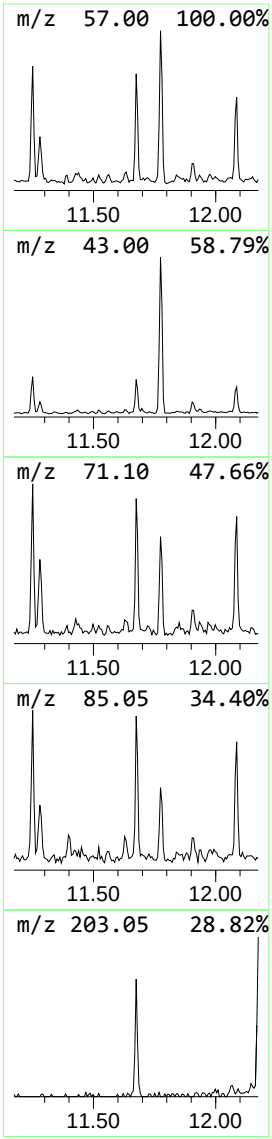
Peak Number 5 unknown11.675 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.675	3.04 ng	219962	Phenanthrene-d10	11.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	46
2	Heptacosane	380	C27H56	000593-49-7	46
3	Hexadecane	226	C16H34	000544-76-3	46
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	46
5	Nonadecane	268	C19H40	000629-92-5	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
Data File : BF125998.D
Acq On : 28 Oct 2021 20:05
Operator : JU/CG
Sample : M4373-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-102621

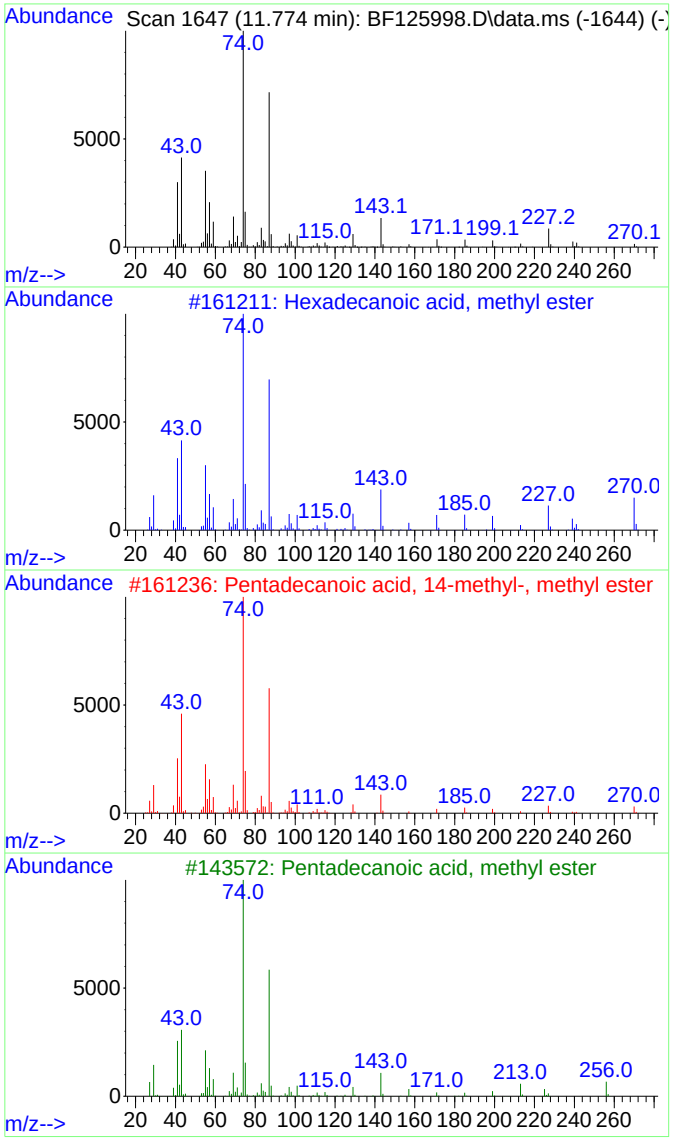
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

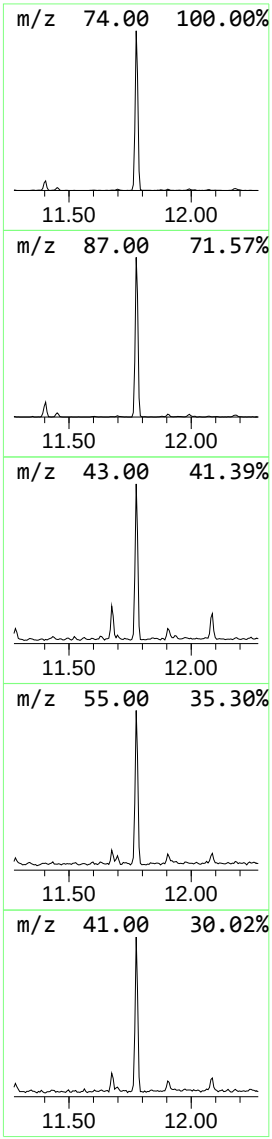
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Hexadecanoic acid, methyl e... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.774	20.50 ng	1484630	Phenanthrene-d10	11.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	95
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	91
3	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	90
4	Methyl tetradecanoate	242	C15H30O2	000124-10-7	90
5	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	90





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Acq On : 28 Oct 2021 20:05
Operator : JU/CG
Sample : M4373-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-102621

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

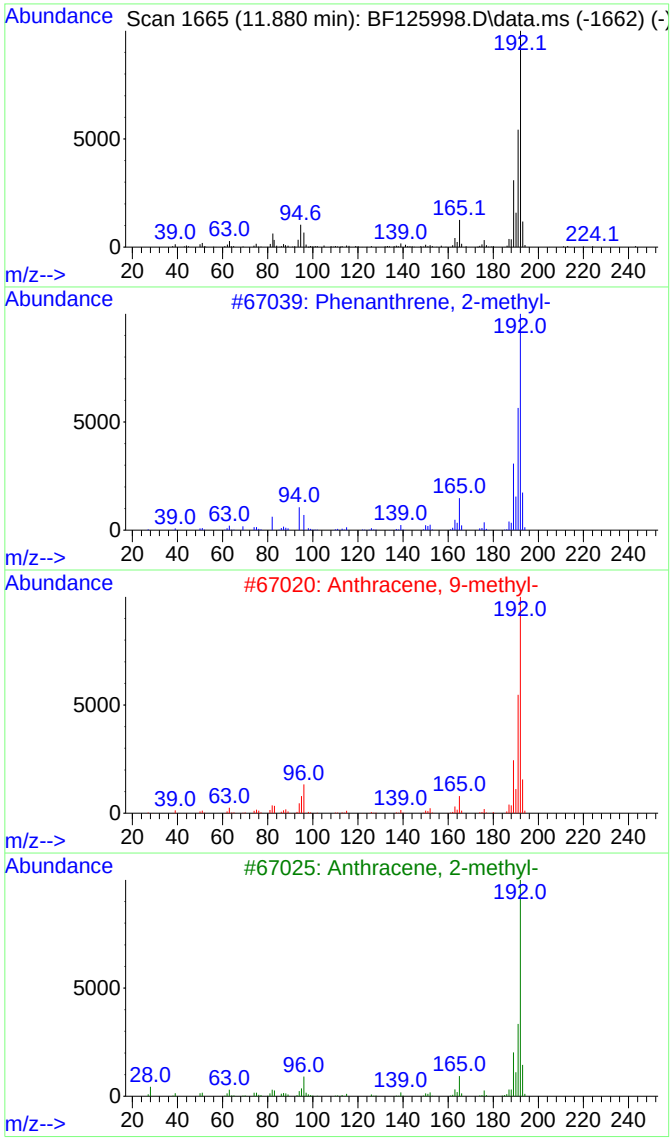
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

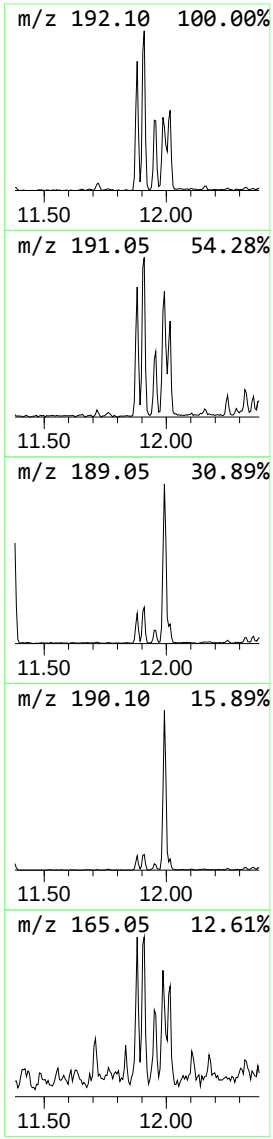
****

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.880	2.93 ng	212190	Phenanthrene-d10	11.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	89
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	83
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81





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Acq On : 28 Oct 2021 20:05
Operator : JU/CG
Sample : M4373-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-102621

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

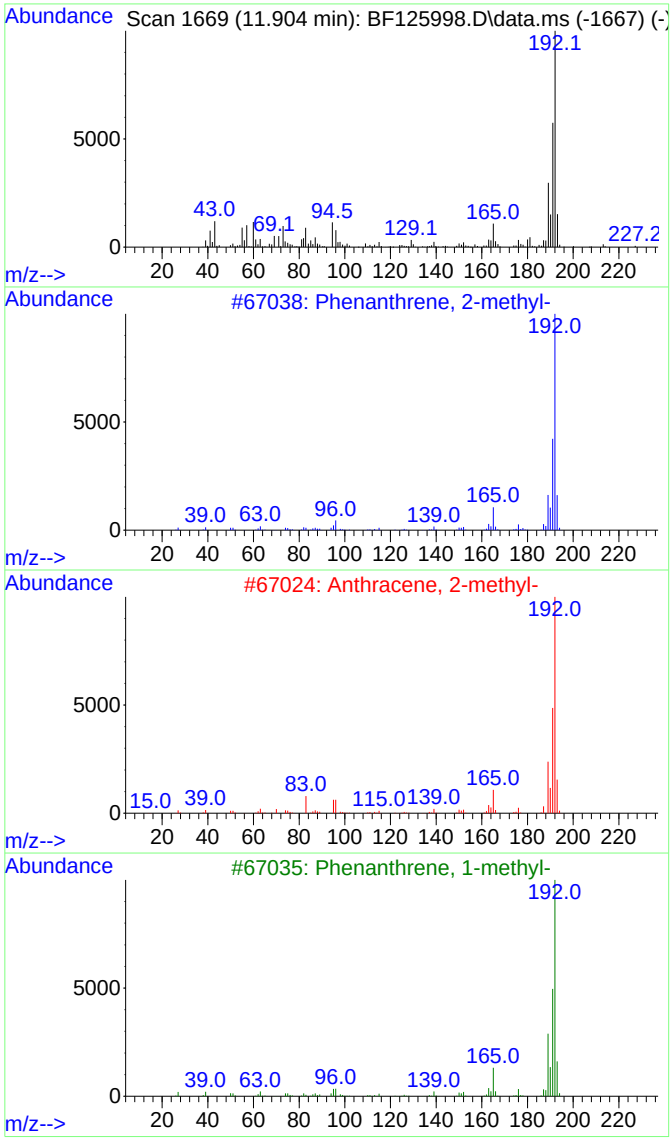
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

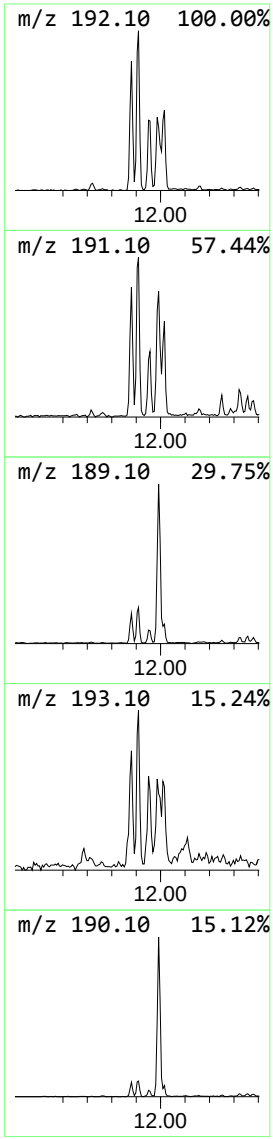
****

Peak Number 8 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.904	5.44 ng	394172	Phenanthrene-d10	11.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





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Operator : JU/CG
Sample : M4373-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SU-04-102621

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

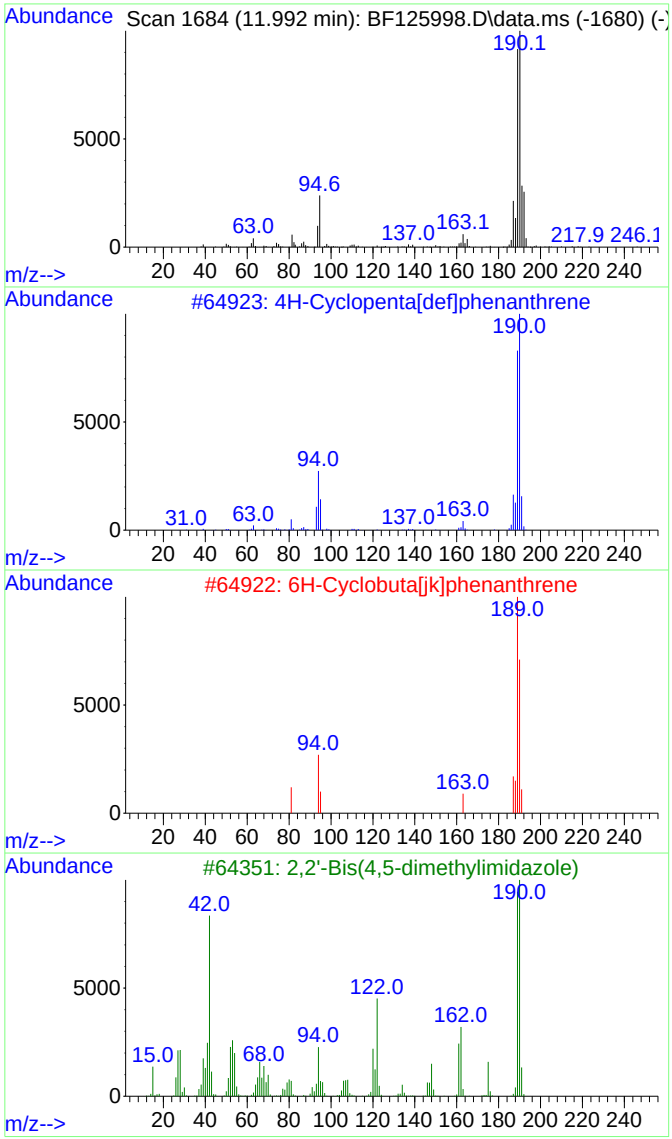
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

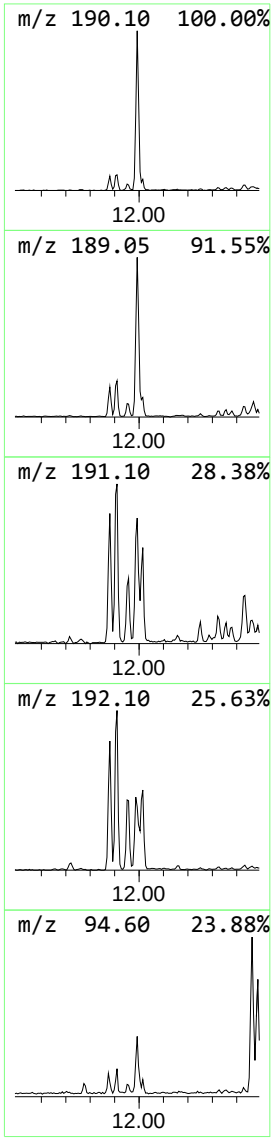
****

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.992	7.87 ng	569701	Phenanthrene-d10	11.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	95
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4	Methyl diselenide	190	C2H6Se2	007101-31-7	43
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25





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Acq On : 28 Oct 2021 20:05
Operator : JU/CG
Sample : M4373-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-102621

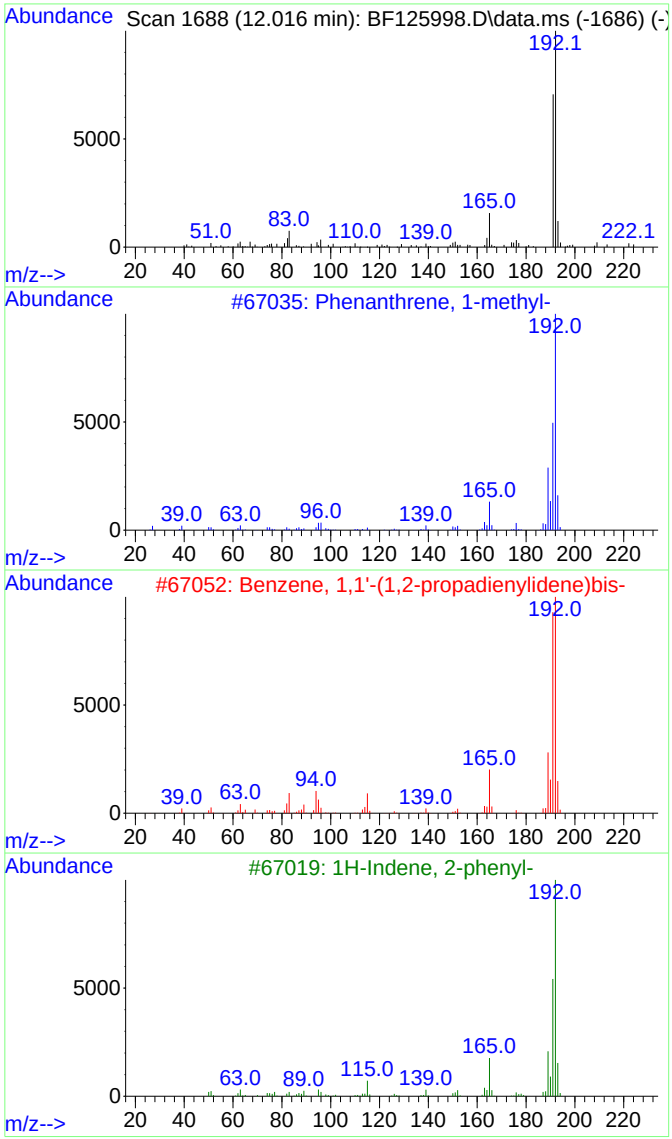
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

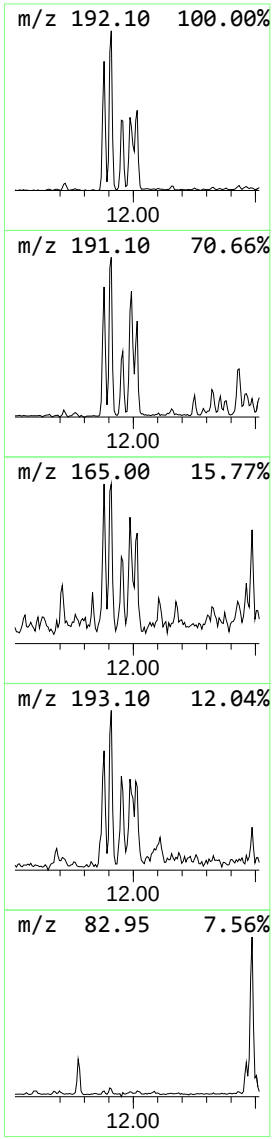
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.016	2.14 ng	154702	Phenanthrene-d10	11.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
2	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	86
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	86
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	86
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	80





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Acq On : 28 Oct 2021 20:05
Operator : JU/CG
Sample : M4373-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SU-04-102621

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

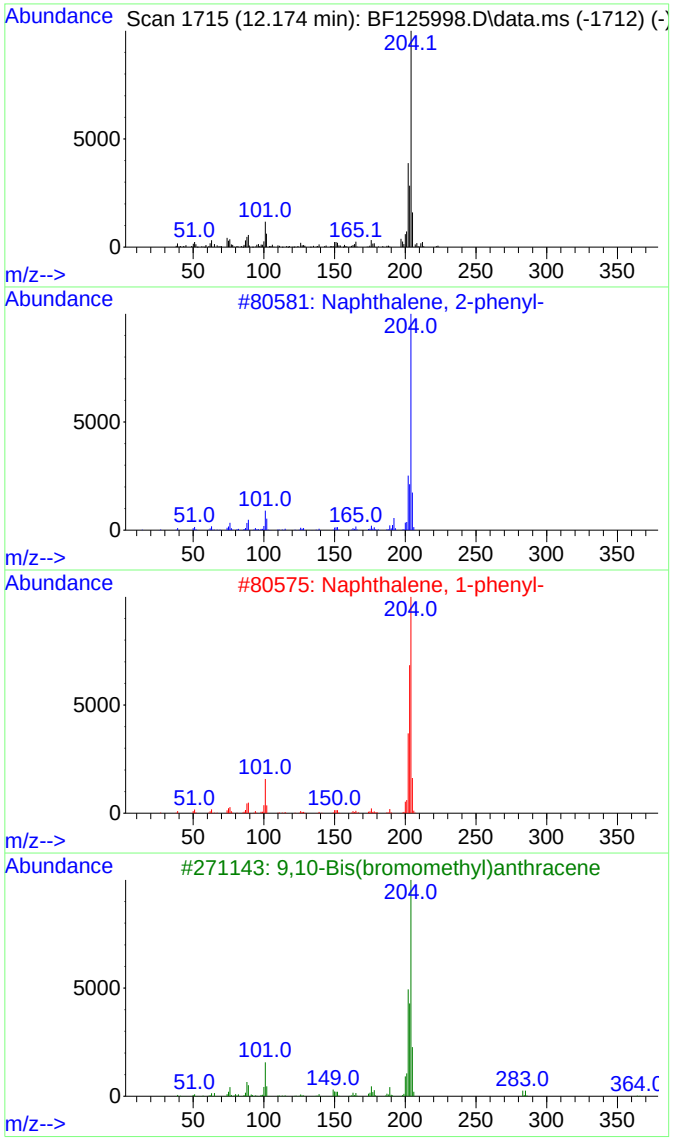
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

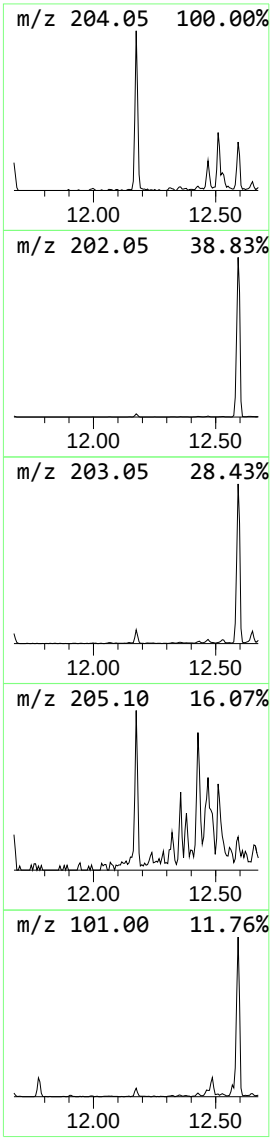
****

Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.174	2.53 ng	183448	Phenanthrene-d10	11.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	49
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	47





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Operator : JU/CG
Sample : M4373-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-102621

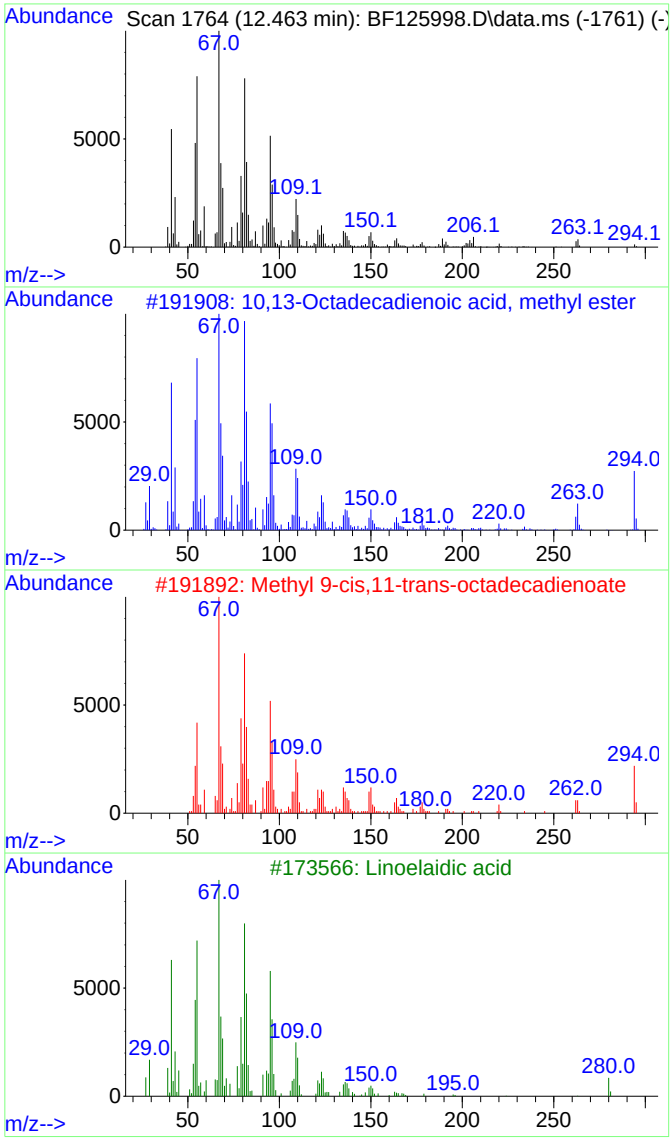
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

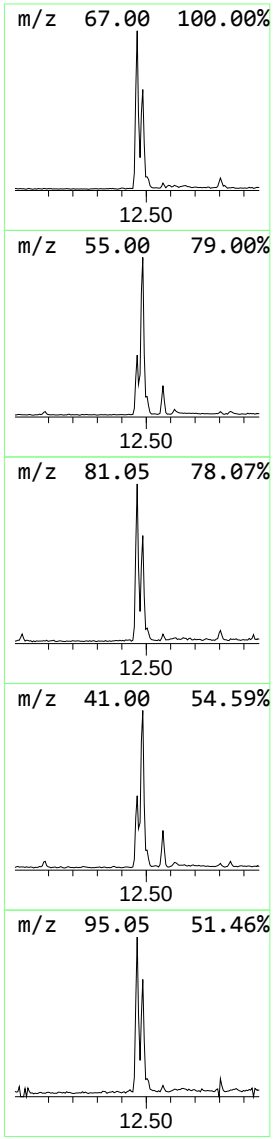
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 10,13-Octadecadienoic acid,... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.463	27.31 ng	1977930	Phenanthrene-d10	11.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	97
2	Methyl 9-cis,11-trans-octadecadi...	294	C19H34O2	013058-52-1	96
3	Linoelaidic acid	280	C18H32O2	000506-21-8	94
4	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	93
5	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	91





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Acq On : 28 Oct 2021 20:05
Operator : JU/CG
Sample : M4373-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-102621

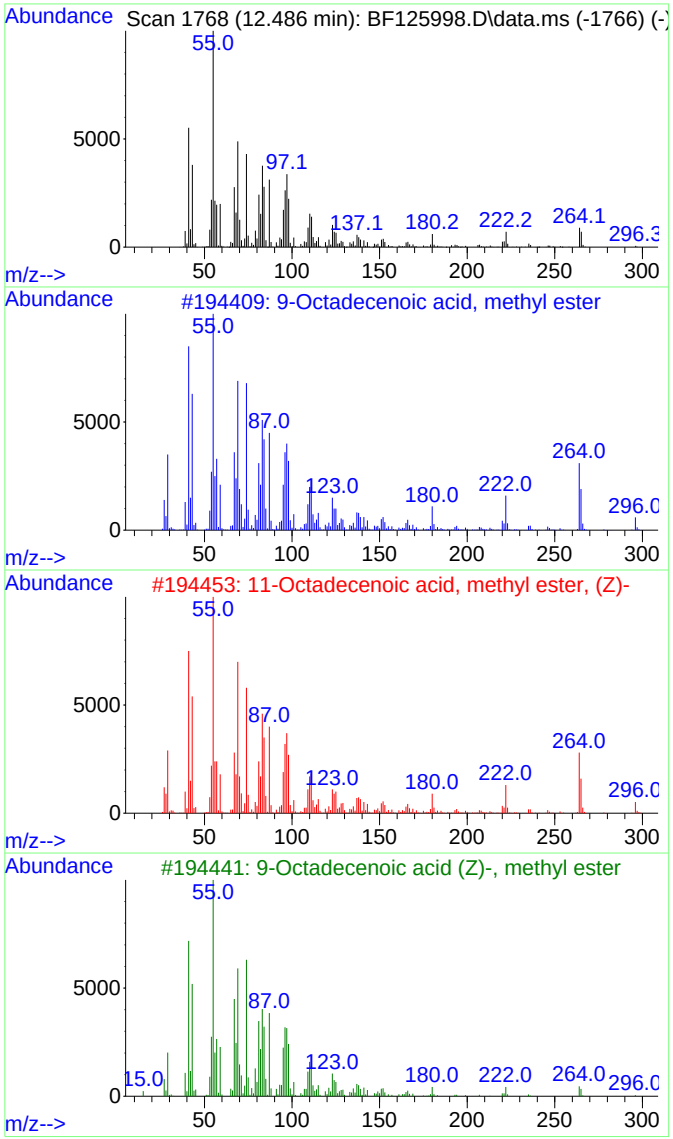
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

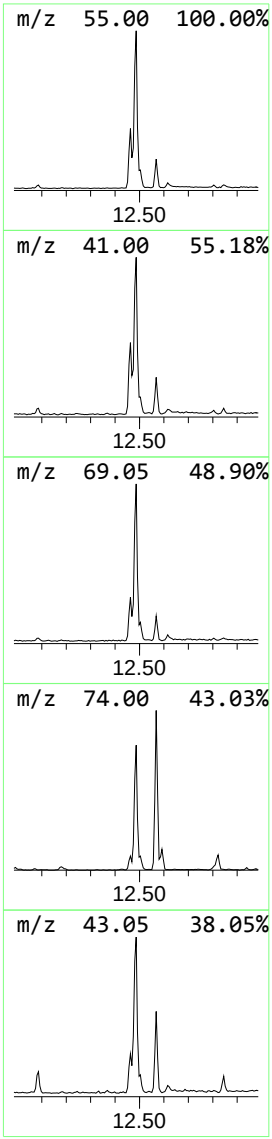
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 9-Octadecenoic acid, methyl... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.486	43.30 ng	3136600	Phenanthrene-d10	11.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid, methyl ester	296	C19H36O2	002462-84-2	99
2	11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	98
3	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	98
4	8-Octadecenoic acid, methyl ester	296	C19H36O2	002345-29-1	96
5	7-Octadecenoic acid, methyl ester	296	C19H36O2	057396-98-2	94





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Sample : M4373-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-102621

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

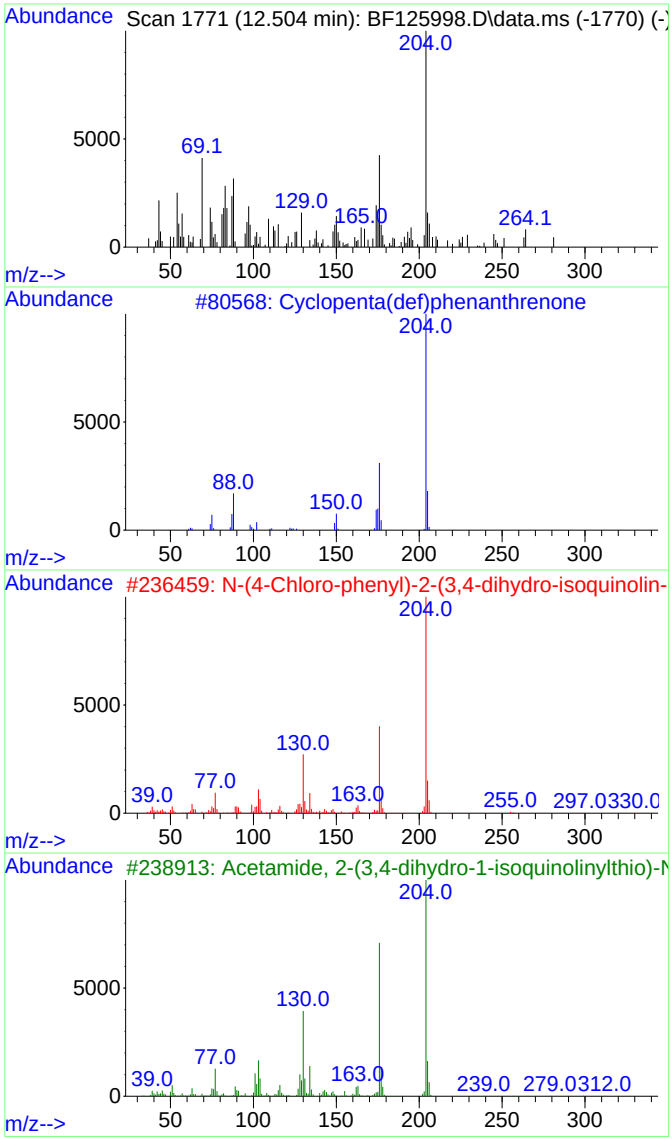
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

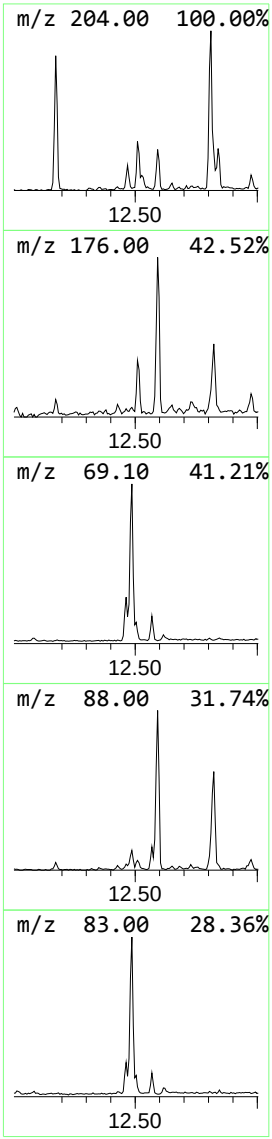
****

Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.504	5.23 ng	378895	Phenanthrene-d10	11.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	76
2	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1010296-34-3	47
3	Acetamide, 2-(3,4-dihydro-1-isoq...	332	C17H14F2N2OS	1000270-76-1	47
4	3H-pyrazol-3-one, 5-ethoxy-2,4-d...	204	C11H12N2O2	1000400-47-1	43
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	41





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Sample : M4373-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-102621

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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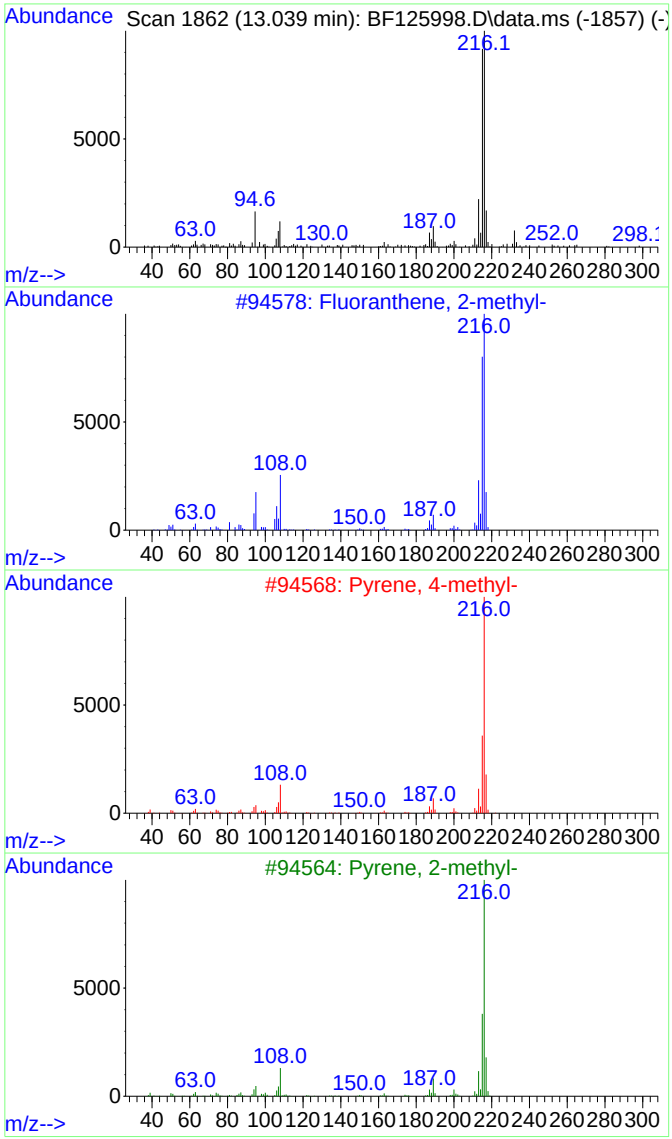
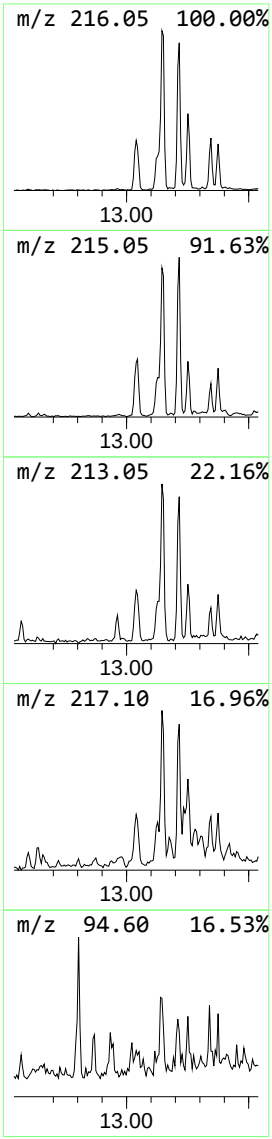
Peak Number 15 Fluoranthene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.039	2.84 ng	316756	Chrysene-d12	14.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	90
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





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Sample : M4373-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-102621

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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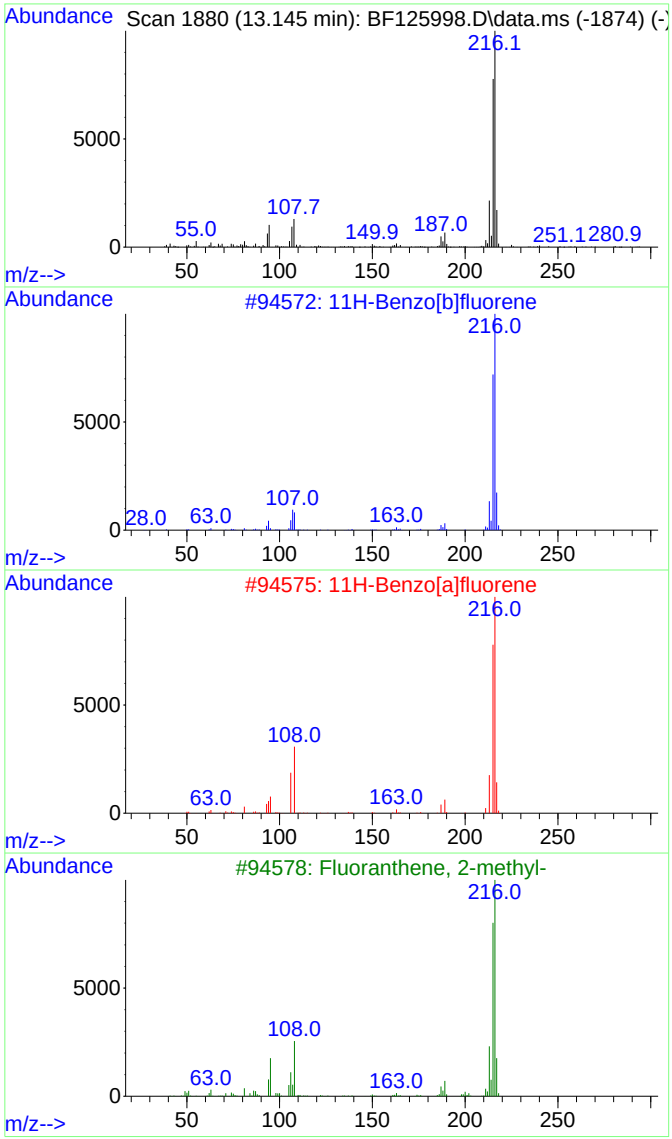
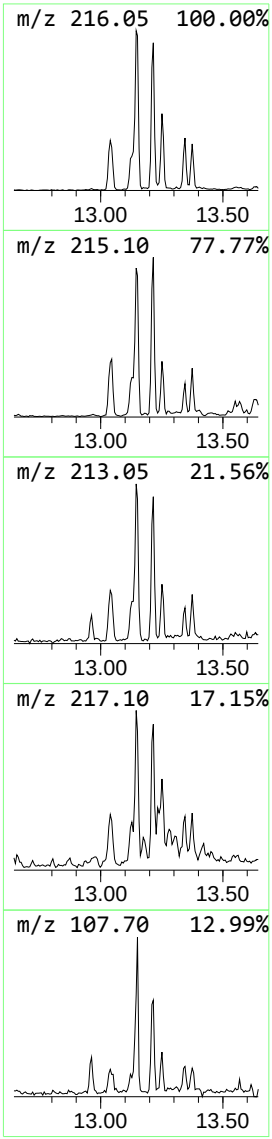
Peak Number 16 11H-Benzo[a]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.145	5.98 ng	665812	Chrysene-d12	14.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





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Sample : M4373-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SU-04-102621

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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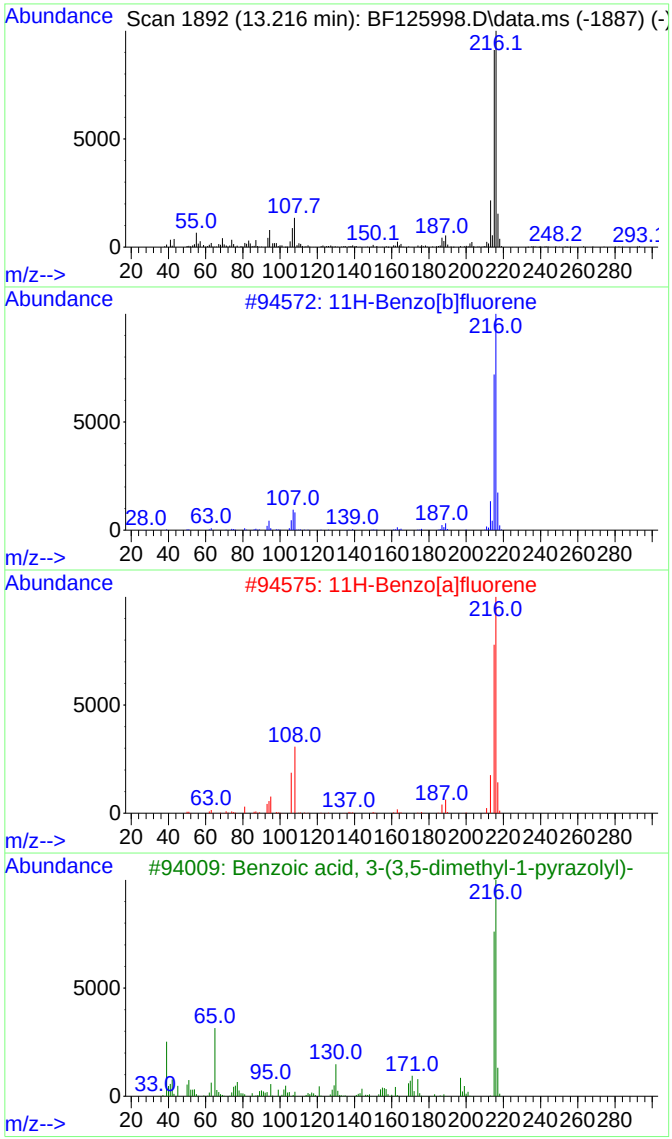
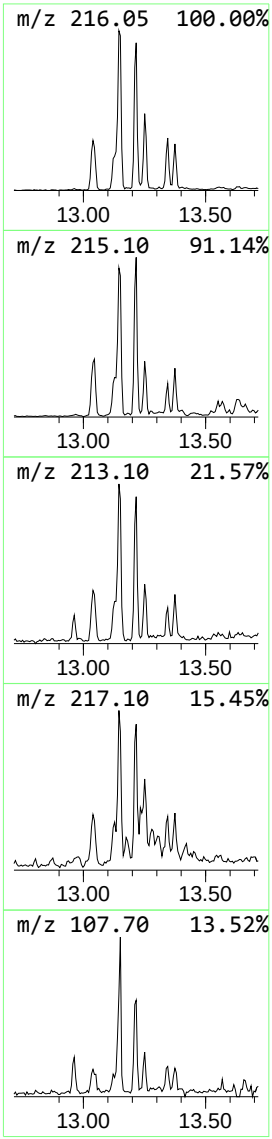
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.216	4.93 ng	549509	Chrysene-d12	14.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	97
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	Benzoic acid, 3-(3,5-dimethyl-1-...	216	C12H12N2O2	312531-88-7	64
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
Data File : BF125998.D
Acq On : 28 Oct 2021 20:05
Operator : JU/CG
Sample : M4373-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-102621

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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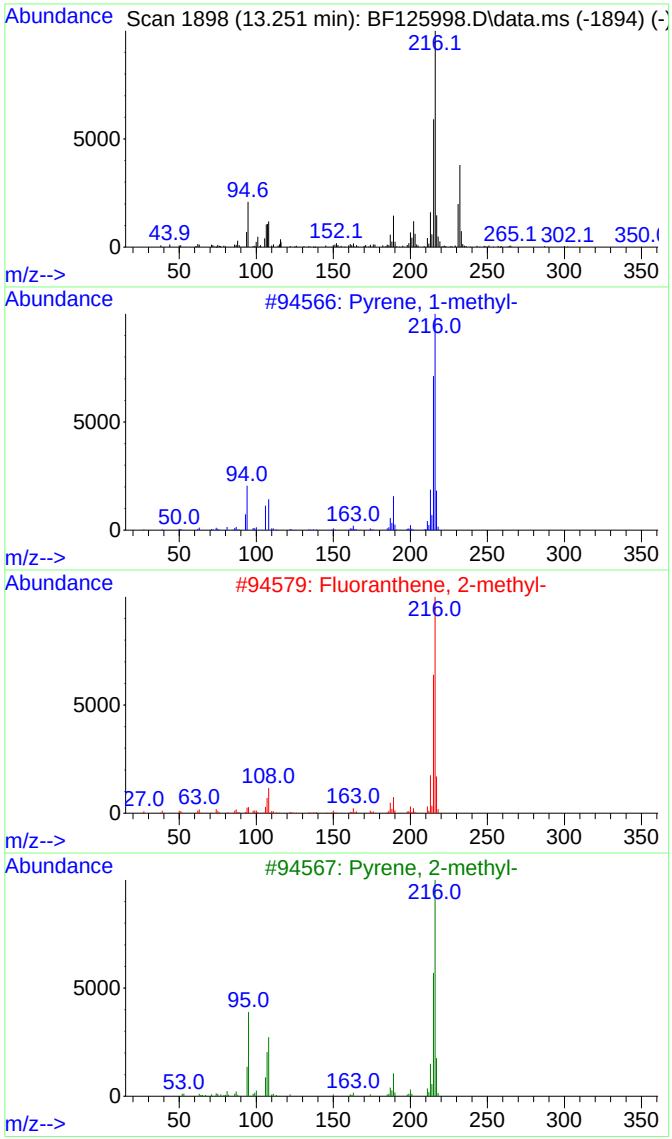
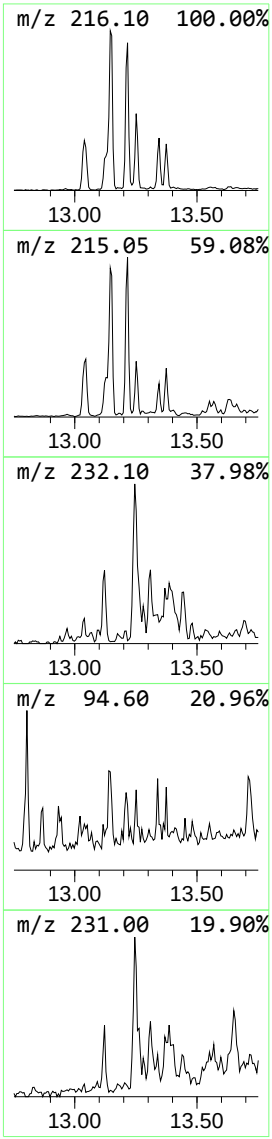
Peak Number 18 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.251	2.14 ng	238978	Chrysene-d12	14.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	64
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
Data File : BF125998.D
Acq On : 28 Oct 2021 20:05
Operator : JU/CG
Sample : M4373-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-102621

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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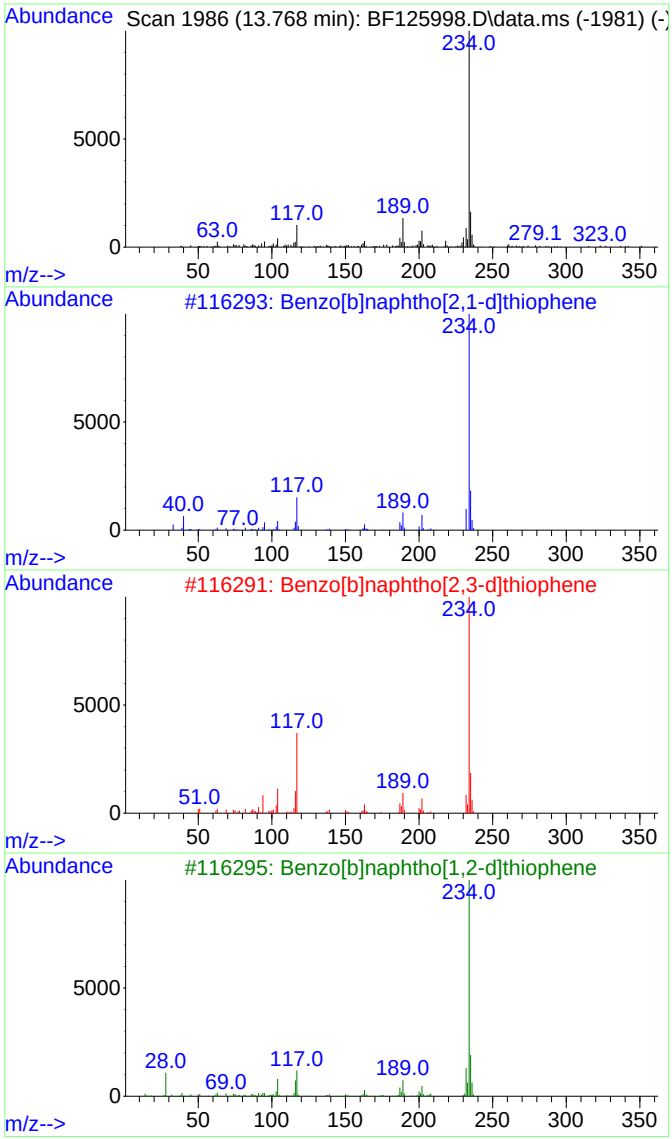
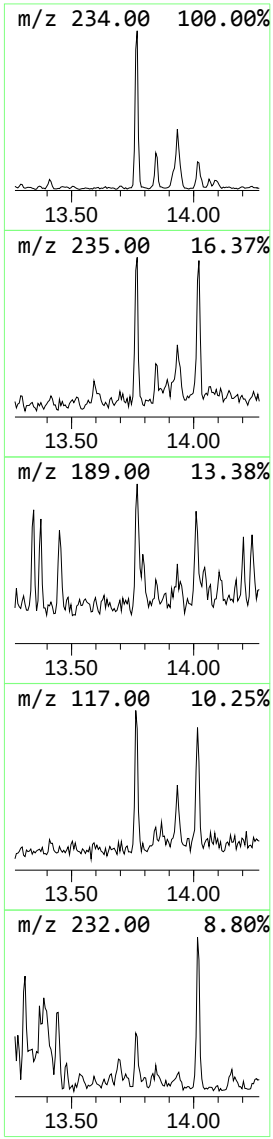
Peak Number 19 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.768	2.20 ng	244775	Chrysene-d12	14.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	83
4	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	83
5	Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
Data File : BF125998.D
Acq On : 28 Oct 2021 20:05
Operator : JU/CG
Sample : M4373-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-102621

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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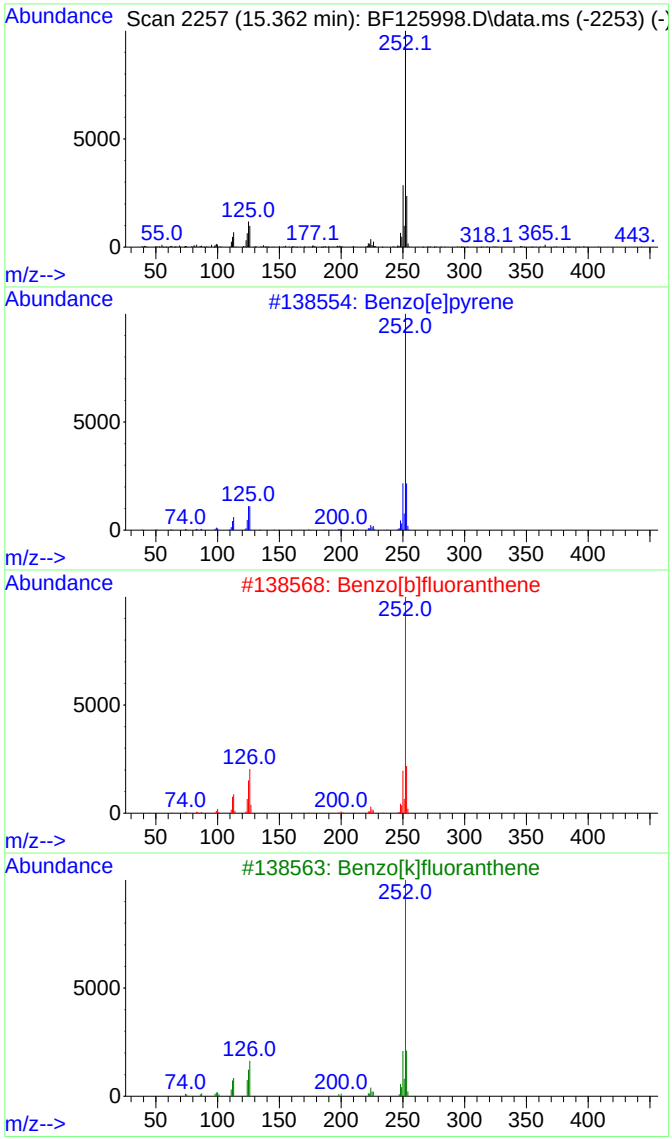
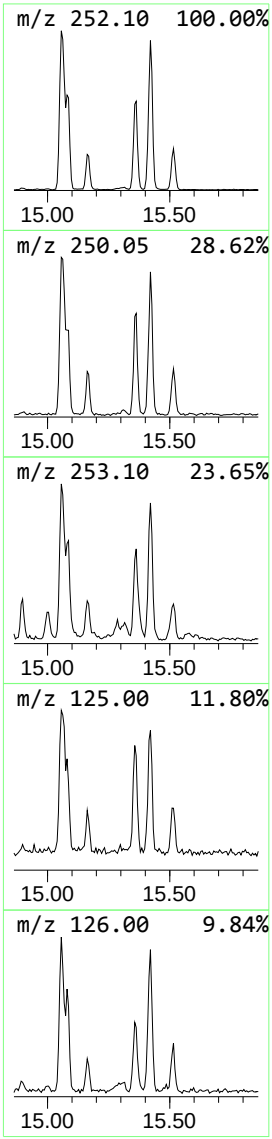
Peak Number 20 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.362	15.09 ng	495070	Perylene-d12	15.486

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Perylene	252	C20H12	000198-55-0	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
Data File : BF125998.D
Acq On : 28 Oct 2021 20:05
Operator : JU/CG
Sample : M4373-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-102621

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Hexadecane	10.328	2.3	ng	164897	3	9.892	1439230	20.0
Pentadecane, 7-...	10.804	4.5	ng	329262	4	11.380	1448690	20.0
Octadecane	11.251	2.8	ng	199937	4	11.380	1448690	20.0
Naphtho[1,2-b]t...	11.275	3.1	ng	221615	4	11.380	1448690	20.0
unknown11.675	11.675	3.0	ng	219962	4	11.380	1448690	20.0
Hexadecanoic ac...	11.774	20.5	ng	1484630	4	11.380	1448690	20.0
Phenanthrene, 2...	11.880	2.9	ng	212190	4	11.380	1448690	20.0
Anthracene, 2-m...	11.904	5.4	ng	394172	4	11.380	1448690	20.0
4H-Cyclopenta[d...	11.992	7.9	ng	569701	4	11.380	1448690	20.0
Phenanthrene, 1...	12.016	2.1	ng	154702	4	11.380	1448690	20.0
Naphthalene, 2-...	12.174	2.5	ng	183448	4	11.380	1448690	20.0
10,13-Octadecad...	12.463	27.3	ng	1977930	4	11.380	1448690	20.0
9-Octadecenoic ...	12.486	43.3	ng	3136600	4	11.380	1448690	20.0
Cyclopenta(def)...	12.504	5.2	ng	378895	4	11.380	1448690	20.0
Fluoranthene, 2...	13.039	2.8	ng	316756	5	14.015	2228430	20.0
11H-Benzo[a]flu...	13.145	6.0	ng	665812	5	14.015	2228430	20.0
11H-Benzo[b]flu...	13.216	4.9	ng	549509	5	14.015	2228430	20.0
Pyrene, 1-methyl-	13.251	2.1	ng	238978	5	14.015	2228430	20.0
Benzo[b]naphtho...	13.768	2.2	ng	244775	5	14.015	2228430	20.0
Benzo[e]pyrene	15.362	15.1	ng	495070	6	15.486	656026	20.0