LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121113.D
Acq On : 29 Jul 2020 21:01
Operator : JU/CG
Sample : L3436-19 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 19

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-BF071620.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.416	562	566	581	rVB	577517	535122	29.45%	2.285%
2	5.628	598	602	613	rVB2	17569	26645	1.47%	0.114%
3	6.440	736	740	754	rBV	583606	548246	30.17%	2.341%
4	6.640	769	774	777	rBV3	37613	47005	2.59%	0.201%
5	6.804	798	802	805	rBV	1090051	853547	46.97%	3.644%
6	7.063	843	846	853	rVB2	26101	38399	2.11%	0.164%
7	7.363	894	897	902	rVB	389299	305872	16.83%	1.306%
8	7.610	936	939	942	rVB2	20720	24321	1.34%	0.104%
9	7.828	973	976	982	rBV3	16514	24367	1.34%	0.104%
10	8.086	1015	1020	1023	rBV	1264364	1129038	62.13%	4.820%
11	8.110	1023	1024	1027	rVV	175597	93227	5.13%	0.398%
12	8.151	1027	1031	1034	rVB3	17527	24547	1.35%	0.105%
13	8.298	1052	1056	1060	rBV3	14169	22690	1.25%	0.097%
14	8.363	1063	1067	1069	rBV2	25126	27324	1.50%	0.117%
15	8.592	1103	1106	1109	rBV4	29638	25161	1.38%	0.107%
16	8.681	1118	1121	1124	rBV3	42815	38564	2.12%	0.165%
17	8.798	1139	1141	1145	rVB	115206	91678	5.04%	0.391%
18	8.898	1154	1158	1162	rBV2	96146	92940	5.11%	0.397%
19	9.110	1191	1194	1199	rBV4	40992	43502	2.39%	0.186%
20	9.163	1199	1203	1208	rVB	759009	667878	36.75%	2.851%
21	9.245	1213	1217	1219	rBV2	67302	71109	3.91%	0.304%
22	9.357	1234	1236	1240	rVB	26772	25185	1.39%	0.108%
23	9.428	1244	1248	1251	rBV	96532	126637	6.97%	0.541%
24	9.498	1257	1260	1263	rBV	151180	138669	7.63%	0.592%
25	9.528	1263	1265	1267	rVV	92167	68596	3.77%	0.293%
26	9.557	1267	1270	1274	rVV2	141255	169817	9.34%	0.725%
27	9.616	1277	1280	1285	rVB	83325	94997	5.23%	0.406%
28	9.704	1292	1295	1299	rBV	159284	153690	8.46%	0.656%
29	9.751	1301	1303	1305	rVV2	34425	34641	1.91%	0.148%
30	9.775	1305	1307	1312	rVV	64551	59829	3.29%	0.255%
31	9.839	1312	1318	1321	rVV	1302362	1180514	64.96%	5.040%
32	9.875	1321	1324	1327	rVV	229076	196963	10.84%	0.841%
33	9.904	1327	1329	1333	rVB4	26808	27109	1.49%	0.116%
34	9.945	1333	1336	1340	rBV2	48526	62987	3.47%	0.269%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121113.D
Acq On : 29 Jul 2020 21:01
Operator : JU/CG
Sample : L3436-19 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 19

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-BF071620.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.998	1341	1345	1347	rBV4	27684	40482	2.23%	0.173%
36	10.045	1349	1353	1357	rVV	144344	147403	8.11%	0.629%
37	10.080	1357	1359	1365	rVV3	70967	69482	3.82%	0.297%
38	10.157	1368	1372	1375	rBV2	79014	83969	4.62%	0.358%
39	10.186	1375	1377	1379	rVV	57629	42928	2.36%	0.183%
40	10.245	1383	1387	1389	rBV3	60673	71102	3.91%	0.304%
41	10.269	1389	1391	1394	rVV2	81744	72086	3.97%	0.308%
42	10.386	1408	1411	1417	rVB2	197143	192780	10.61%	0.823%
43	10.451	1417	1422	1424	rBV2	46877	61463	3.38%	0.262%
44	10.475	1424	1426	1427	rVV2	42331	37138	2.04%	0.159%
45	10.498	1427	1430	1433	rVV2	71542	84883	4.67%	0.362%
46	10.545	1435	1438	1441	rVB2	68421	66672	3.67%	0.285%
47	10.627	1447	1452	1456	rBV	424173	390844	21.51%	1.669%
48	10.757	1469	1474	1480	rVB2	143938	211965	11.66%	0.905%
49	10.810	1481	1483	1485	rBV3	26470	30629	1.69%	0.131%
50	10.933	1500	1504	1507	rBV3	76582	88924	4.89%	0.380%
51	10.963	1507	1509	1512	rVV2	54068	54345	2.99%	0.232%
52	11.022	1516	1519	1522	rVB3	37672	38747	2.13%	0.165%
53	11.086	1528	1530	1534	rVB4	46737	41716	2.30%	0.178%
54	11.133	1535	1538	1542	rVB3	48446	43627	2.40%	0.186%
55	11.192	1542	1548	1550	rBV3	100938	127266	7.00%	0.543%
56	11.222	1550	1553	1560	rVB	147956	150455	8.28%	0.642%
57	11.327	1567	1571	1573	rBV	1266458	1058823	58.26%	4.520%
58	11.351	1573	1575	1578	rVV	1052561	783514	43.11%	3.345%
59	11.398	1581	1583	1586	rVB	319133	280012	15.41%	1.195%
60	11.433	1586	1589	1593	rBV3	60382	72613	4.00%	0.310%
61	11.557	1608	1610	1616	rBV	97367	94712	5.21%	0.404%
62	11.622	1618	1621	1623	rVB	92688	70438	3.88%	0.301%
63	11.657	1624	1627	1633	rVB2	70316	72280	3.98%	0.309%
64	11.722	1635	1638	1646	rVB4	62624	114433	6.30%	0.489%
65	11.780	1646	1648	1650	rBV3	27996	27909	1.54%	0.119%
66	11.827	1653	1656	1658	rVV	210882	178367	9.82%	0.761%
67	11.857	1658	1661	1664	rVV	304675	265876	14.63%	1.135%
68	11.904	1664	1669	1672	rVV2	115276	149810	8.24%	0.640%
69	11.939	1672	1675	1677	rVV	362581	371342	20.43%	1.585%
70	11.963	1677	1679	1683	rVB	175782	148331	8.16%	0.633%
71	12.027	1688	1690	1693	rVV2	77970	63365	3.49%	0.271%

LSC Area Percent Report

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Acq On : 29 Jul 2020 21:01
Operator : JU/CG
Sample : L3436-19 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 19

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-BF071620.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.063	1693	1696	1698	rVB2	40431	37685	2.07%	0.161%
73	12.121	1703	1706	1708	rVV	141232	122487	6.74%	0.523%
74	12.145	1708	1710	1714	rVB3	67136	73070	4.02%	0.312%
75	12.251	1726	1728	1730	rBV	42799	46994	2.59%	0.201%
76	12.274	1730	1732	1734	rVV	68120	55339	3.05%	0.236%
77	12.304	1734	1737	1739	rVV	121353	111322	6.13%	0.475%
78	12.327	1739	1741	1743	rVB2	62662	47385	2.61%	0.202%
79	12.374	1746	1749	1752	rBV	172753	192878	10.61%	0.823%
80	12.404	1752	1754	1756	rVV2	245744	289848	15.95%	1.237%
81	12.427	1756	1758	1761	rVV2	376991	339346	18.67%	1.449%
82	12.463	1761	1764	1768	rVB2	99128	106898	5.88%	0.456%
83	12.539	1774	1777	1781	rBV	1595005	1335416	73.48%	5.701%
84	12.633	1790	1793	1796	rBV	98221	92157	5.07%	0.393%
85	12.692	1801	1803	1807	rBV2	58085	58910	3.24%	0.252%
86	12.769	1810	1816	1819	rBV	1573025	1611461	88.67%	6.880%
87	12.886	1834	1836	1837	rBV2	65594	52417	2.88%	0.224%
88	12.910	1837	1840	1847	rVB	734638	730581	40.20%	3.119%
89	12.986	1850	1853	1856	rBV2	82862	115278	6.34%	0.492%
90	13.092	1869	1871	1874	rVB	251779	231919	12.76%	0.990%
91	13.163	1881	1883	1885	rVB	186113	139174	7.66%	0.594%
92	13.198	1886	1889	1893	rBV2	180386	189075	10.40%	0.807%
93	13.292	1903	1905	1907	rVB	105317	74536	4.10%	0.318%
94	13.321	1908	1910	1913	rBV	118211	103381	5.69%	0.441%
95	13.810	1991	1993	1998	rBV2	183044	192469	10.59%	0.822%
96	13.963	2014	2019	2022	rBV2	1301469	1817276	100.00%	7.758%
97	13.992	2022	2024	2026	rVB	614506	457041	25.15%	1.951%
98	14.998	2192	2195	2198	rBV	419877	555642	30.58%	2.372%
99	15.357	2253	2256	2262	rVB	391977	477587	26.28%	2.039%
100	15.421	2263	2267	2270	rBV	592153	794100	43.70%	3.390%

Sum of corrected areas: 23423219

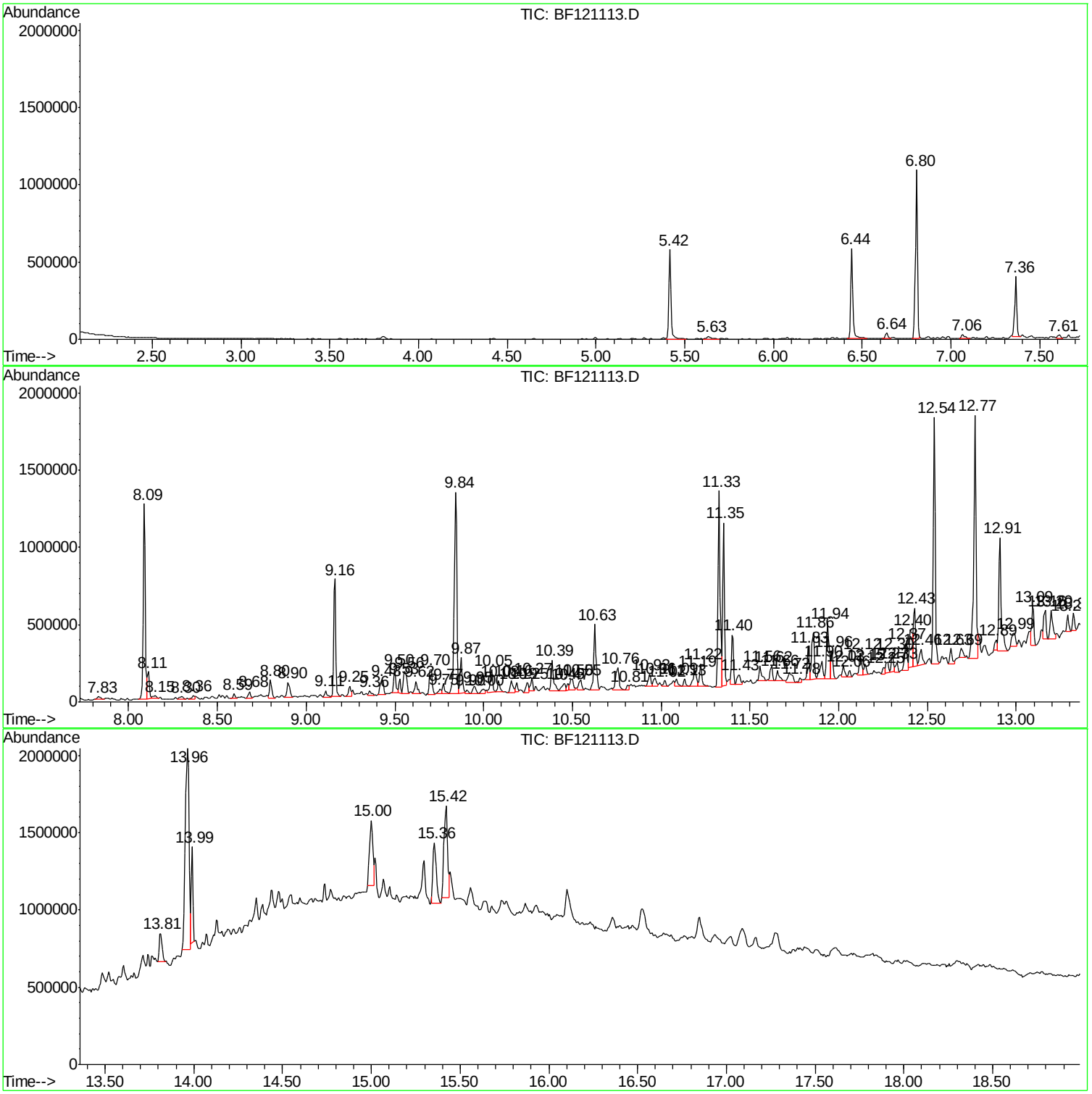
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121113.D
Acq On : 29 Jul 2020 21:01
Operator : JU/CG
Sample : L3436-19 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 19

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.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\BF072920\
Data File : BF121113.D
Acq On : 29 Jul 2020 21:01
Operator : JU/CG
Sample : L3436-19 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 19

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

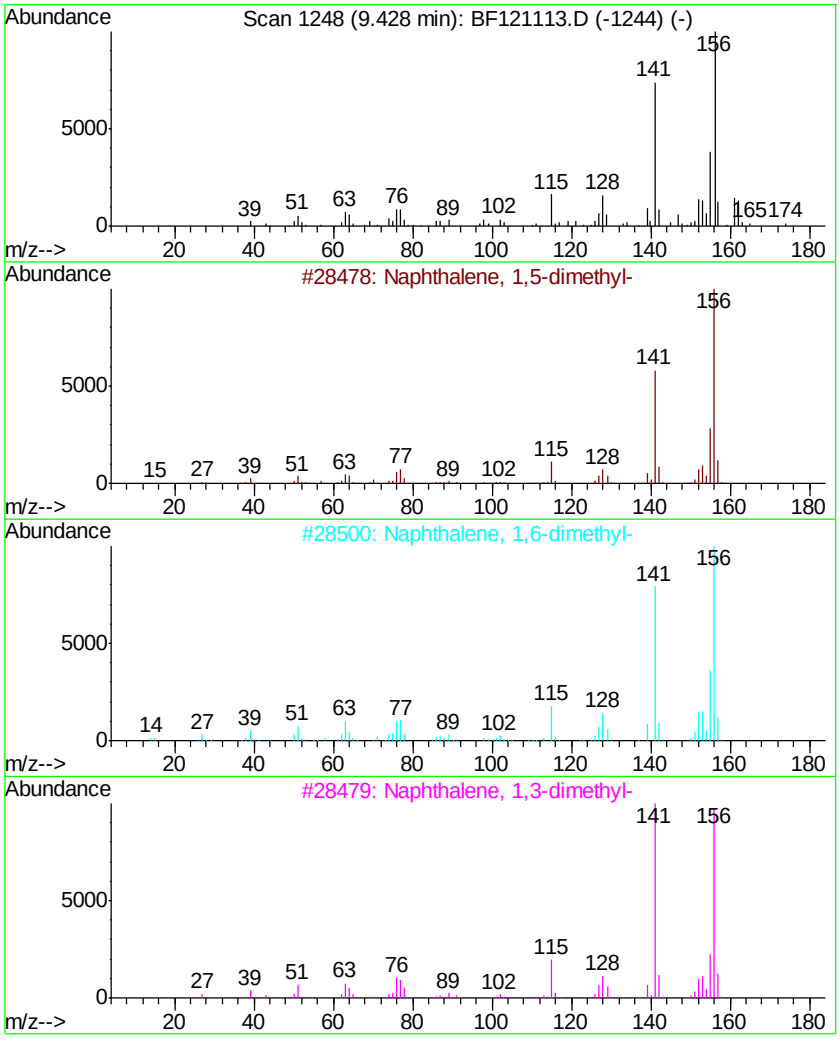
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

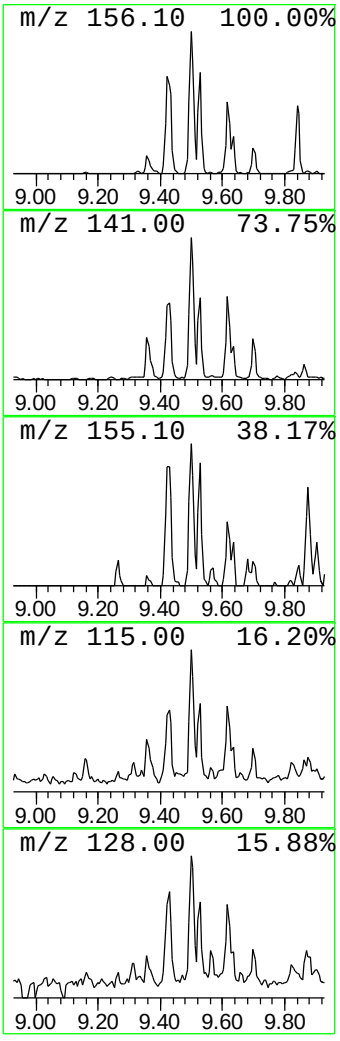
****

Peak Number 1 Naphthalene, 1,5-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.43	2.15 ng	126637	Acenaphthene-d10	9.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121113.D
Acq On : 29 Jul 2020 21:01
Operator : JU/CG
Sample : L3436-19 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 19

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

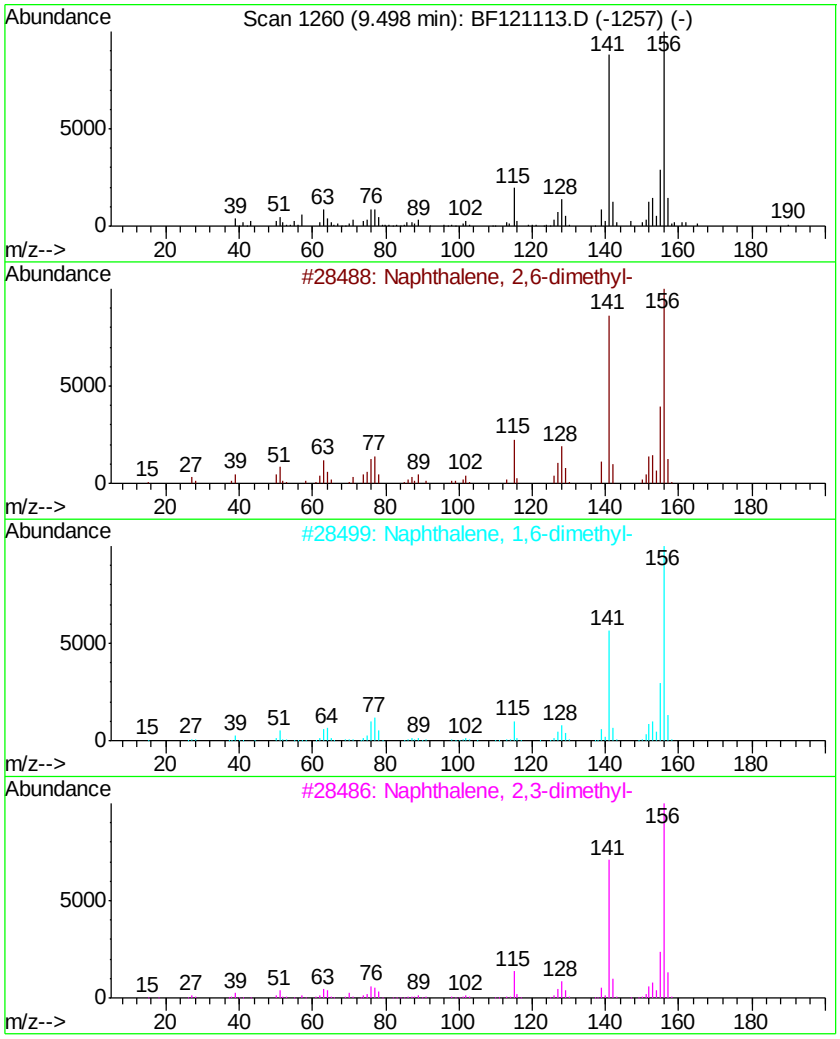
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

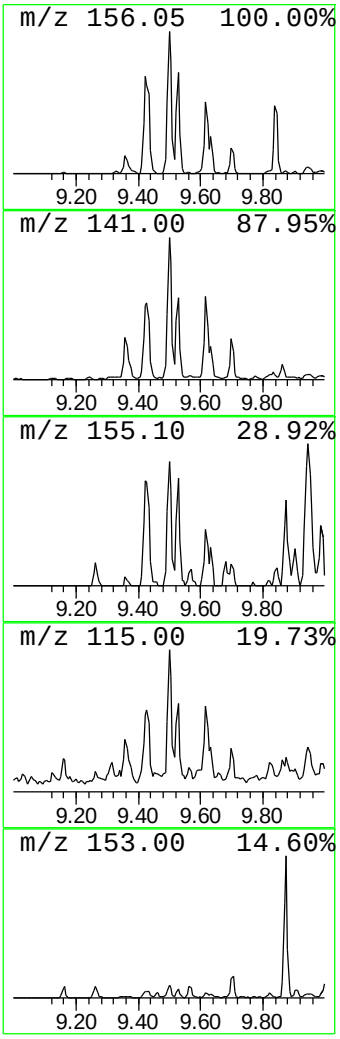
****

Peak Number 2 Naphthalene, 2,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.50	2.35 ng	138669	Acenaphthene-d10	9.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
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Sample : L3436-19 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 19

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

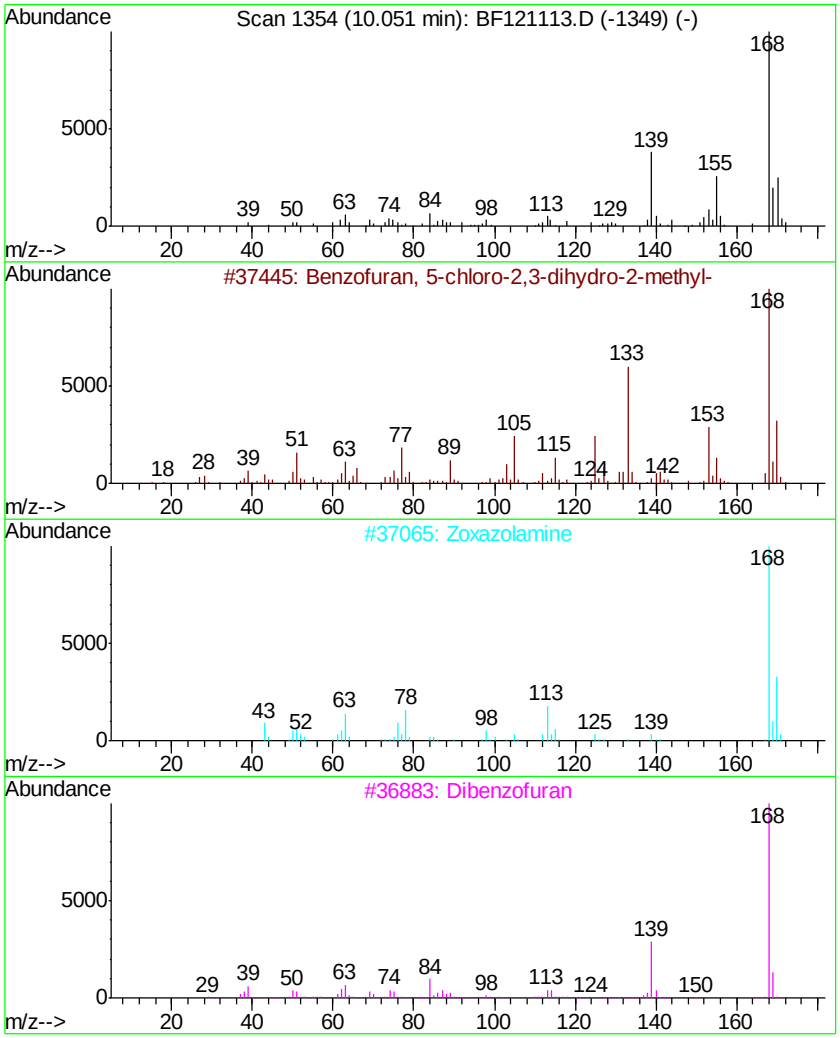
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

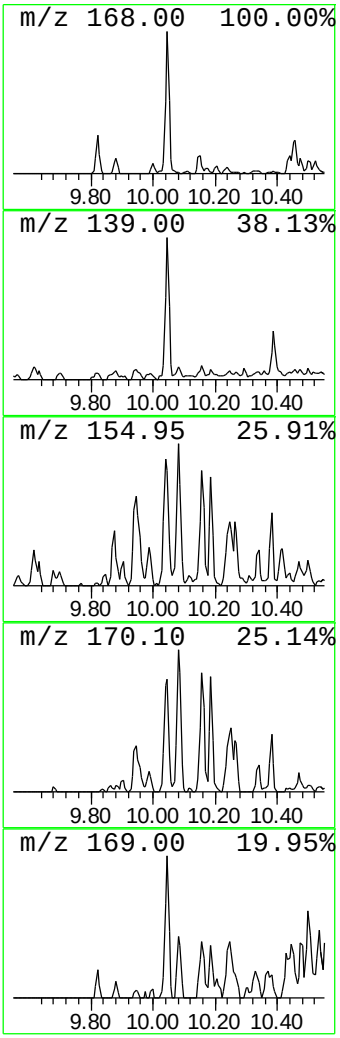
****

Peak Number 3 Benzofuran, 5-chloro-2,3-di... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.05	2.50 ng	147403	Acenaphthene-d10	9.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 5-chloro-2,3-dihydro...	168	C9H9ClO	054410-96-7	50
2	Zoxazolamine	168	C7H5ClN2O	000061-80-3	47
3	Dibenzofuran	168	C12H8O	000132-64-9	43
4	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	38
5	Pyridine, 2-(phenylmethyl)-	169	C12H11N	000101-82-6	35





Library Search Compound Report

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Data File : BF121113.D
Acq On : 29 Jul 2020 21:01
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Sample : L3436-19 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 19

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

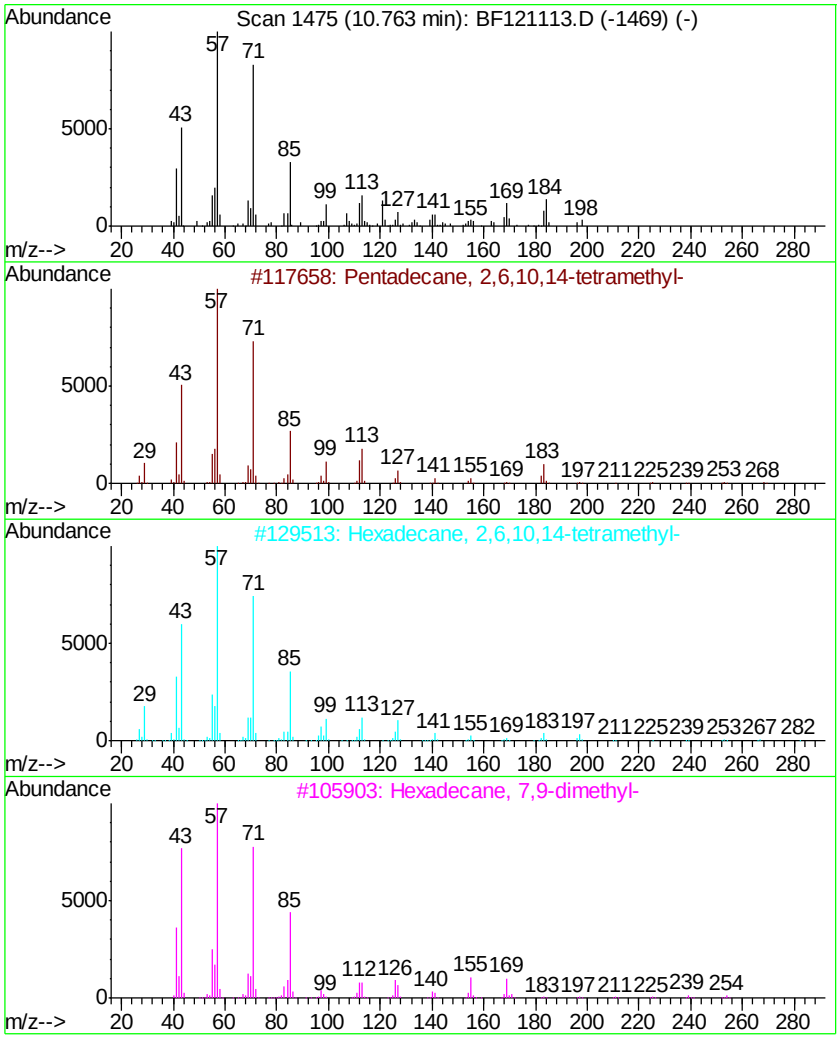
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

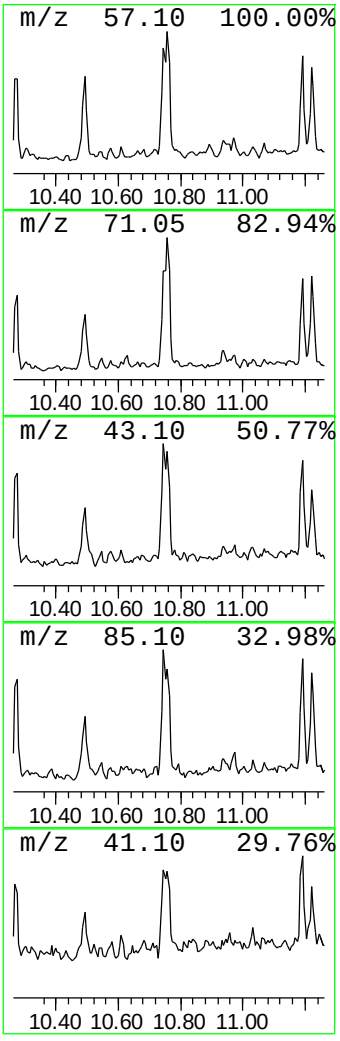
****

Peak Number 4 Pentadecane, 2,6,10,14-tetr... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	4.00 ng	211965	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	53
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	46
3	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	46
4	Tridecane, 7-methyl-	198	C14H30	026730-14-3	46
5	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	46





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121113.D
Acq On : 29 Jul 2020 21:01
Operator : JU/CG
Sample : L3436-19 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 19

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

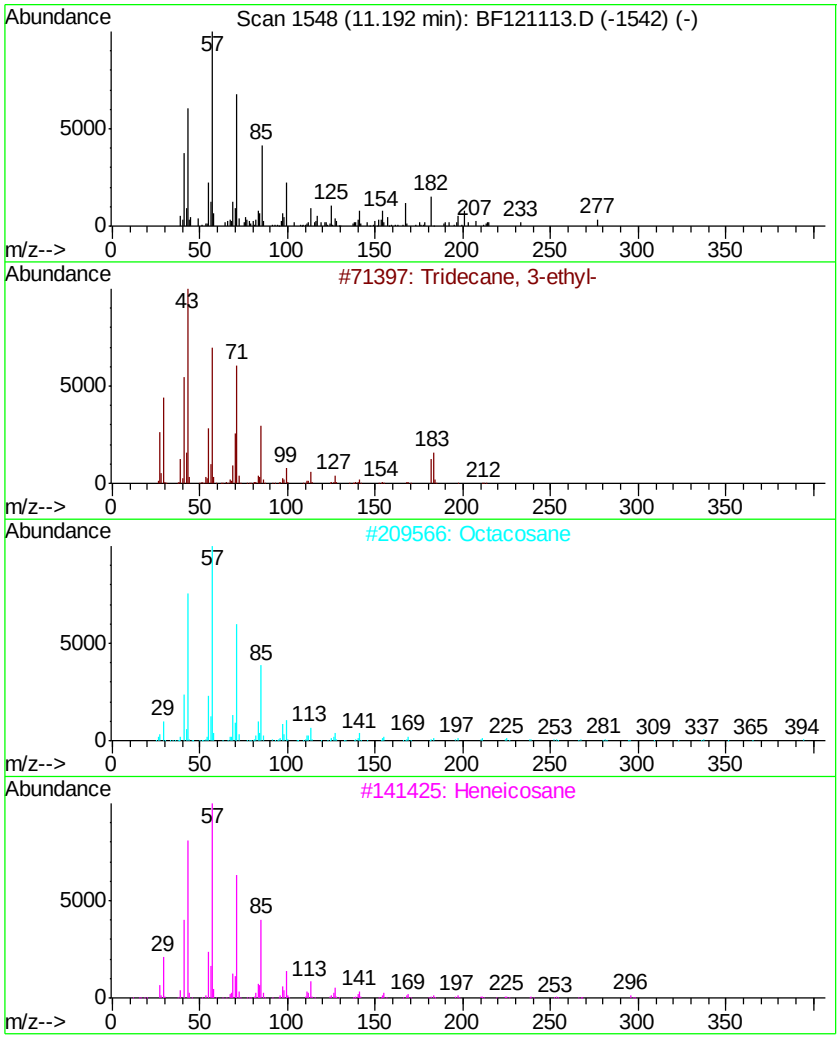
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

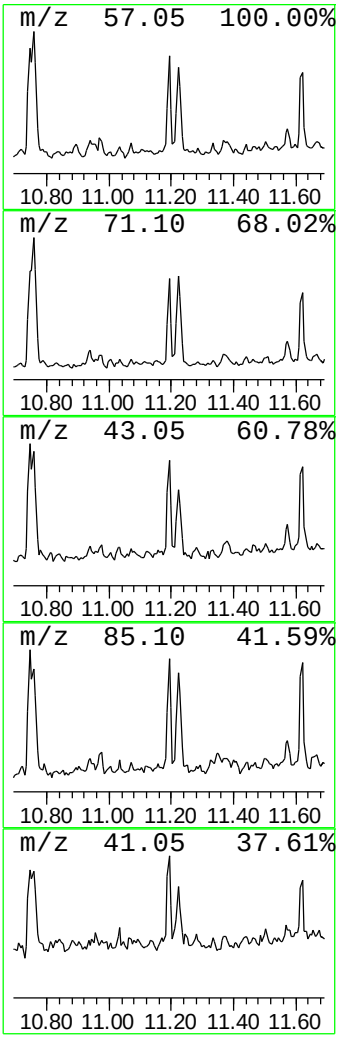
****

Peak Number 5 Tridecane, 3-ethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.19	2.40 ng	127266	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 3-ethyl-	212	C15H32	013286-73-2	62
2	Octacosane	394	C28H58	000630-02-4	58
3	Heneicosane	296	C21H44	000629-94-7	58
4	Tetracosane	338	C24H50	000646-31-1	58
5	2-Bromo dodecane	248	C12H25Br	013187-99-0	58





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Operator : JU/CG
Sample : L3436-19 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 19

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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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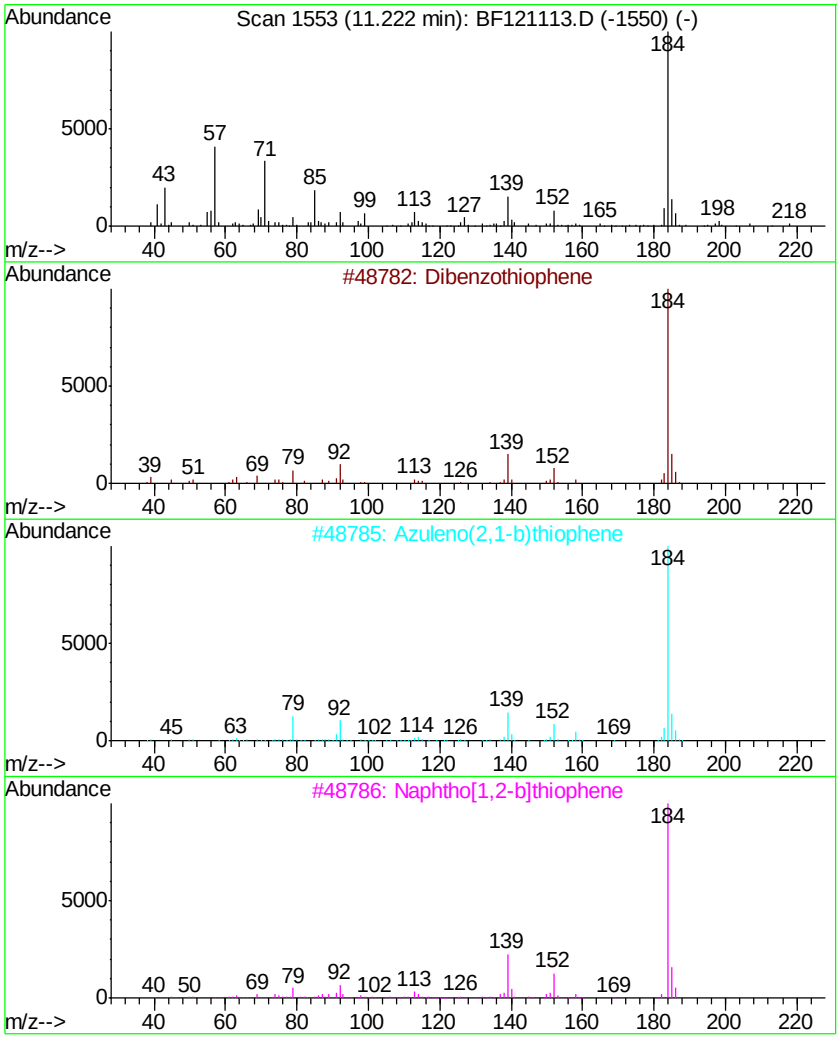
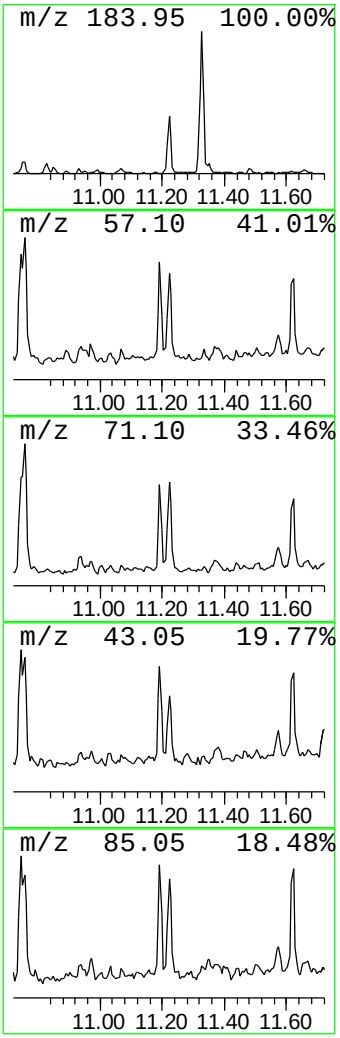
Peak Number 6 Dibenzothiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	2.84 ng	150455	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	90
2	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	74
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	70
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	70
5	Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	58





Library Search Compound Report

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ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 19

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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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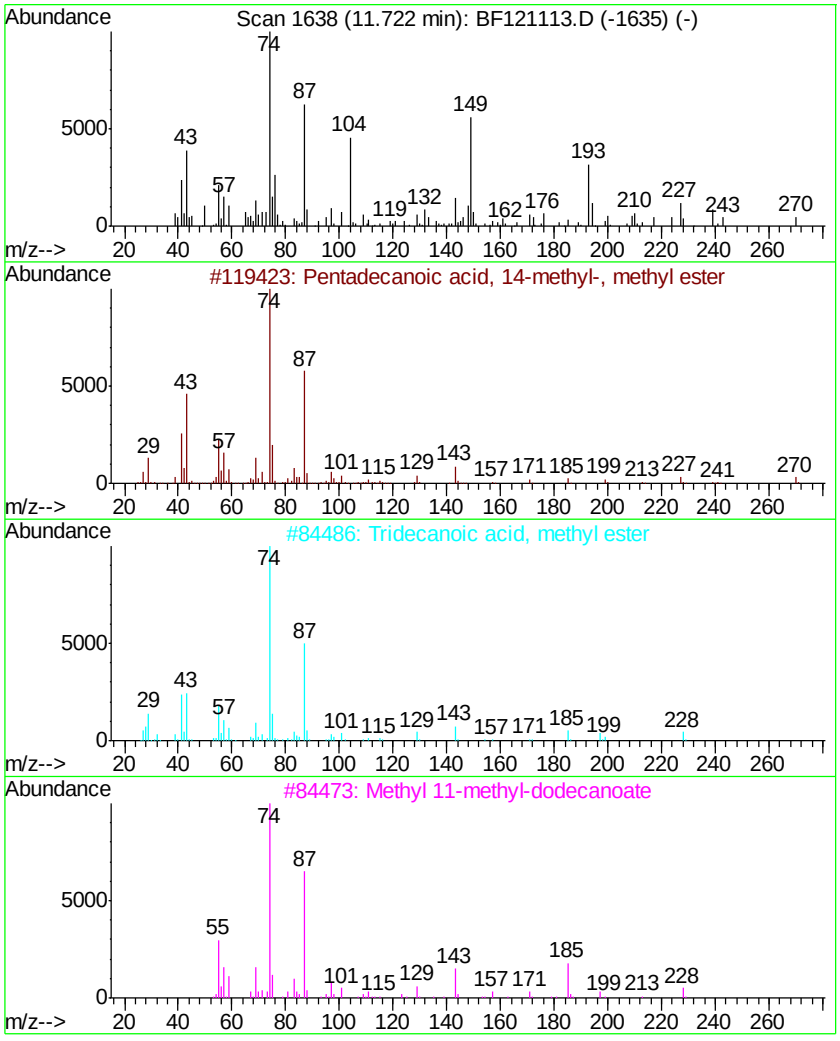
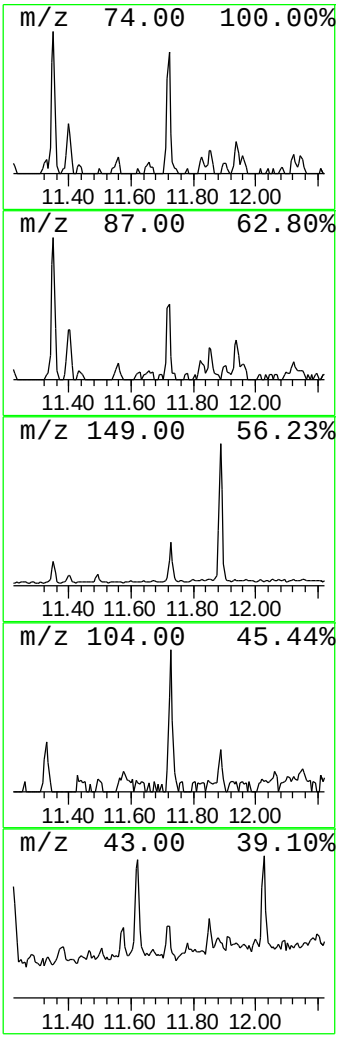
Peak Number 7 Pentadecanoic acid, 14-meth... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	2.16 ng	114433	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	66
2	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	60
3	Methyl 11-methyl-dodecanoate	228	C14H28O2	1000336-45-1	60
4	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	46
5	Dodecanoic acid, 10-methyl-, met...	228	C14H28O2	005129-65-7	46





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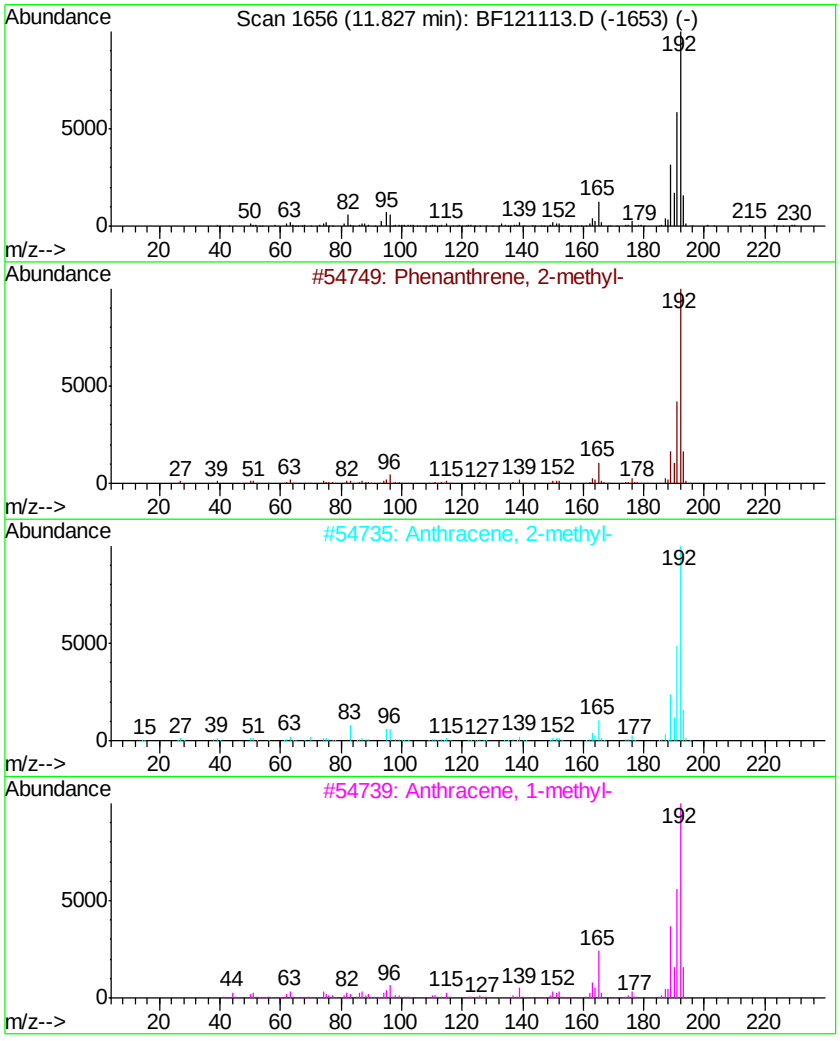
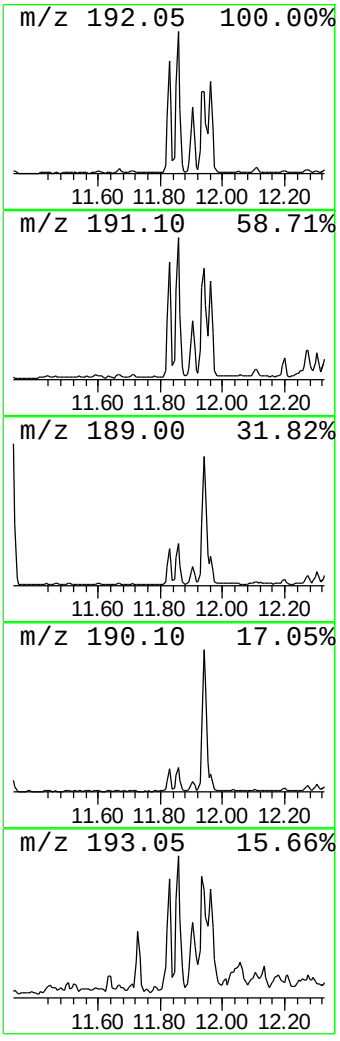
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	3.37 ng	178367	Phenanthrene-d10	11.33

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	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





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Sample : L3436-19 5X
Misc :
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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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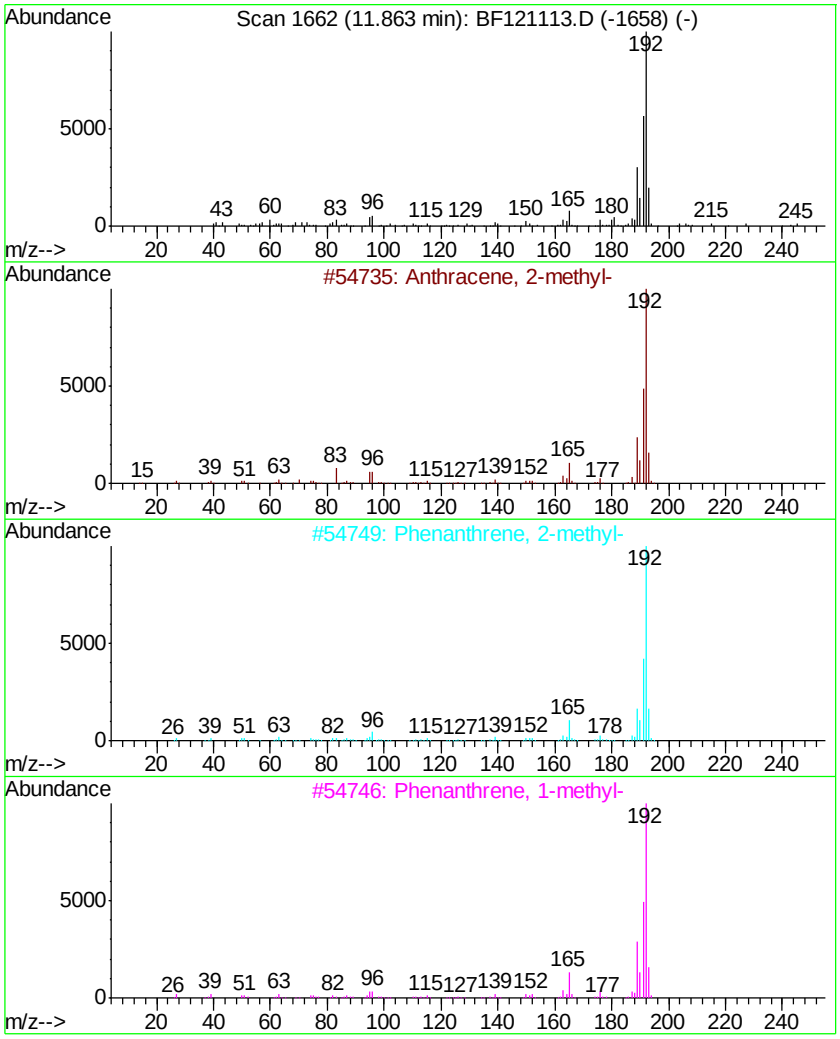
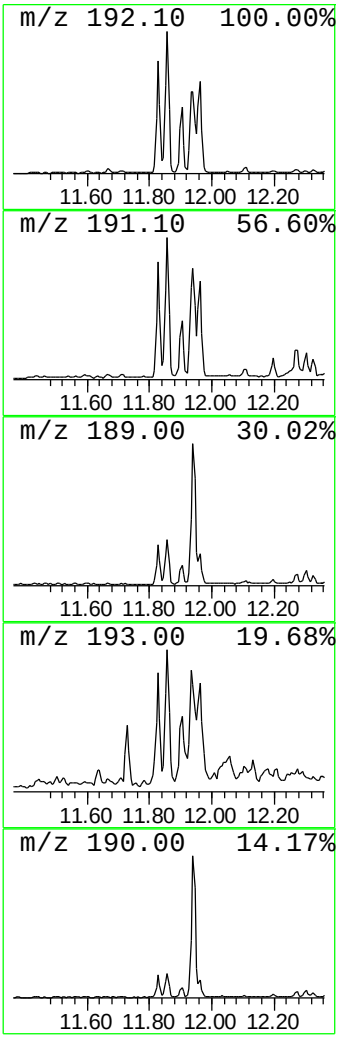
Peak Number 9 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	5.02 ng	265876	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





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Instrument : BNA_F
ClientSampleId : 19

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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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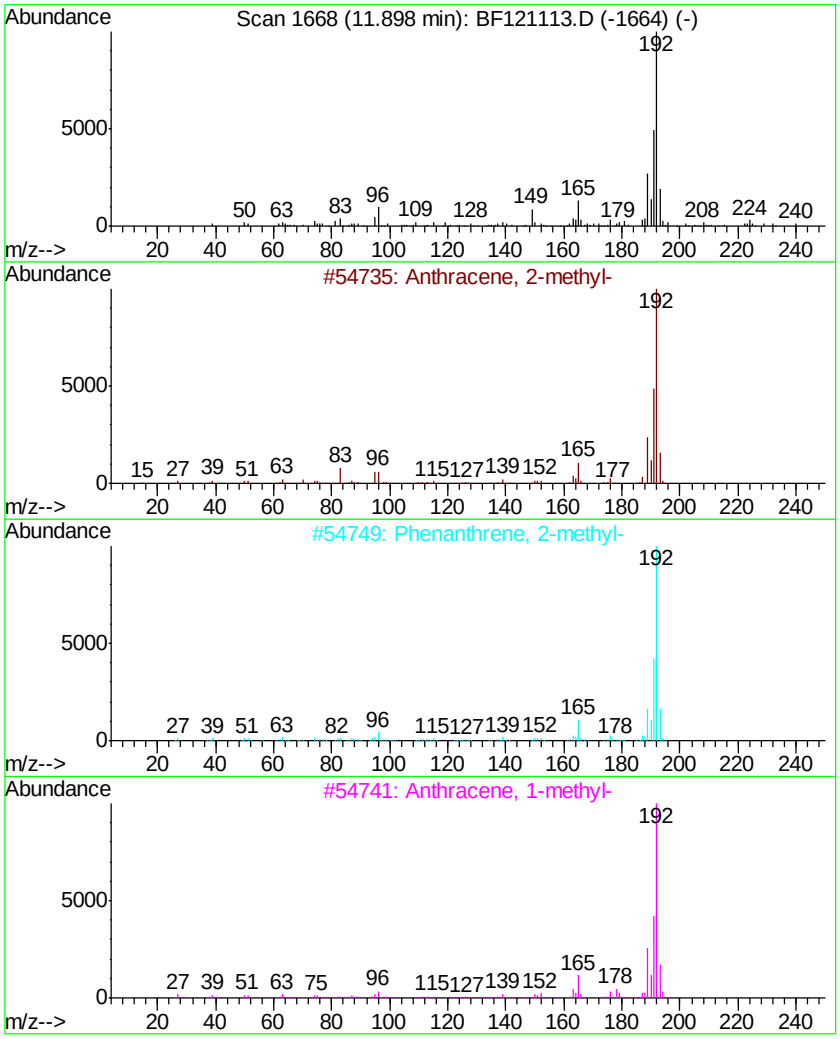
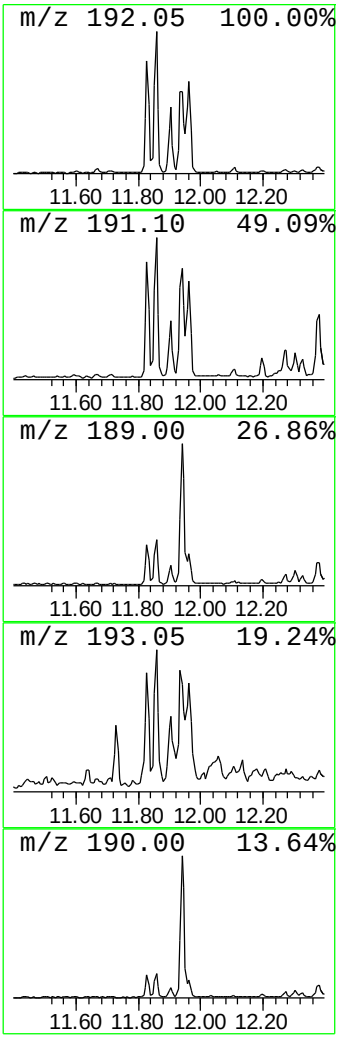
Peak Number 10 Anthracene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	2.83 ng	149810	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Sample : L3436-19 5X
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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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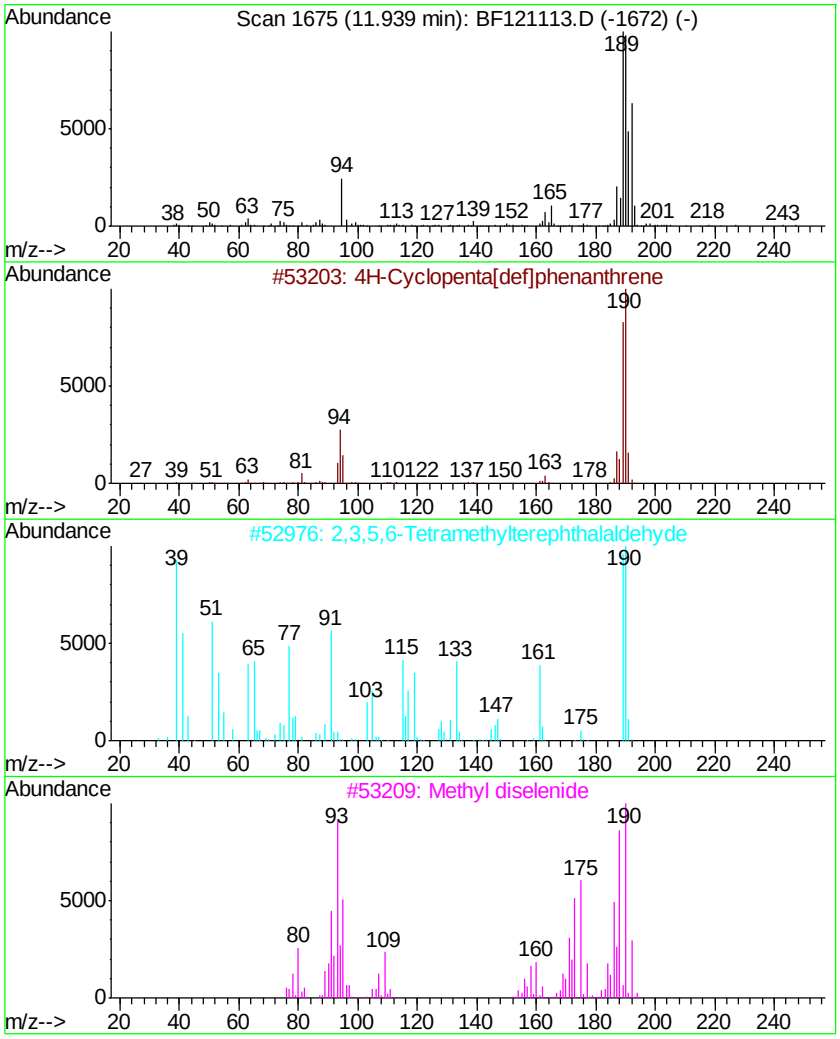
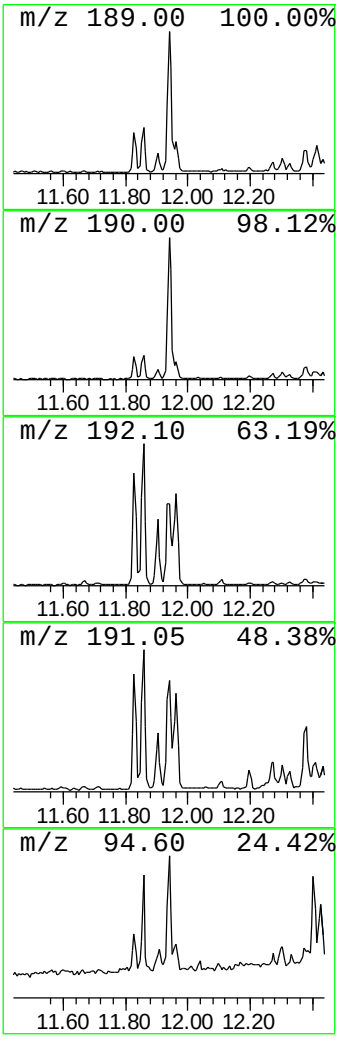
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	7.01 ng	371342	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
3	Methyl diselenide	190	C2H6Se2	007101-31-7	41
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	35





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Sample : L3436-19 5X
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Instrument : BNA_F
ClientSampleId : 19

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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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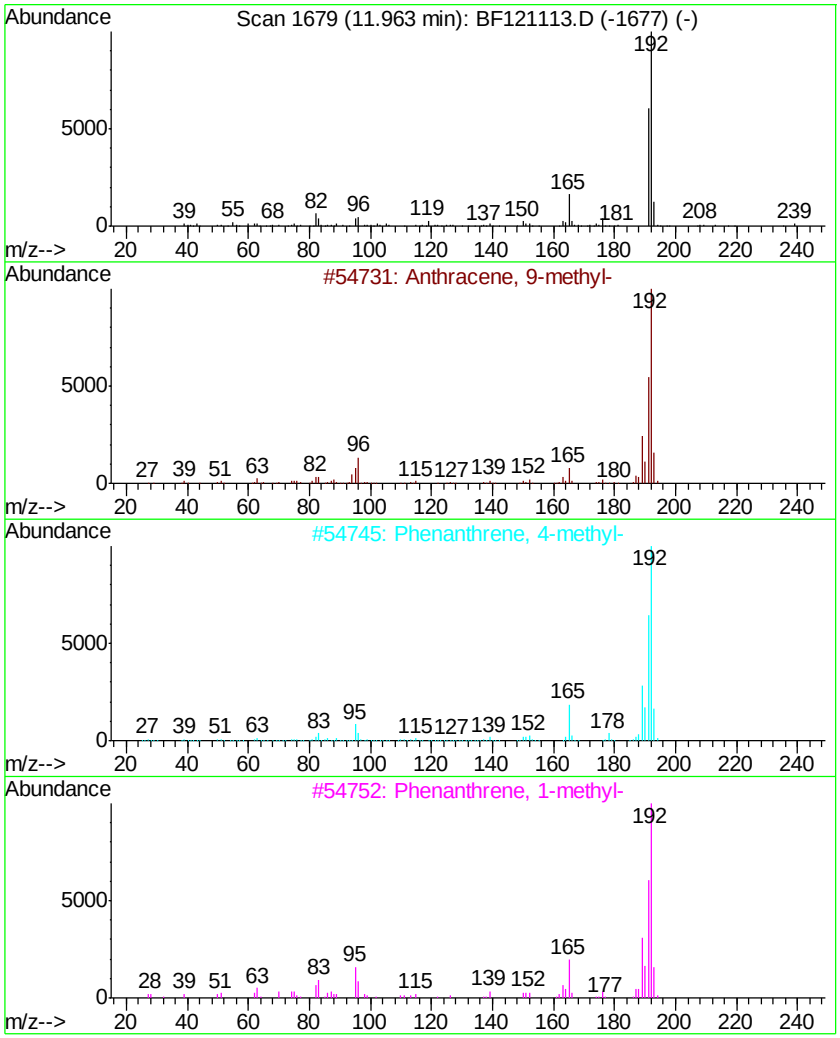
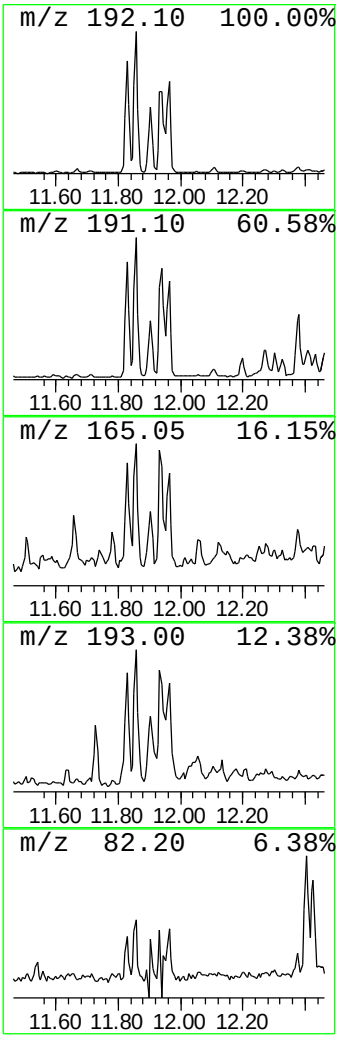
Peak Number 12 Anthracene, 9-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	2.80 ng	148331	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	83
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81





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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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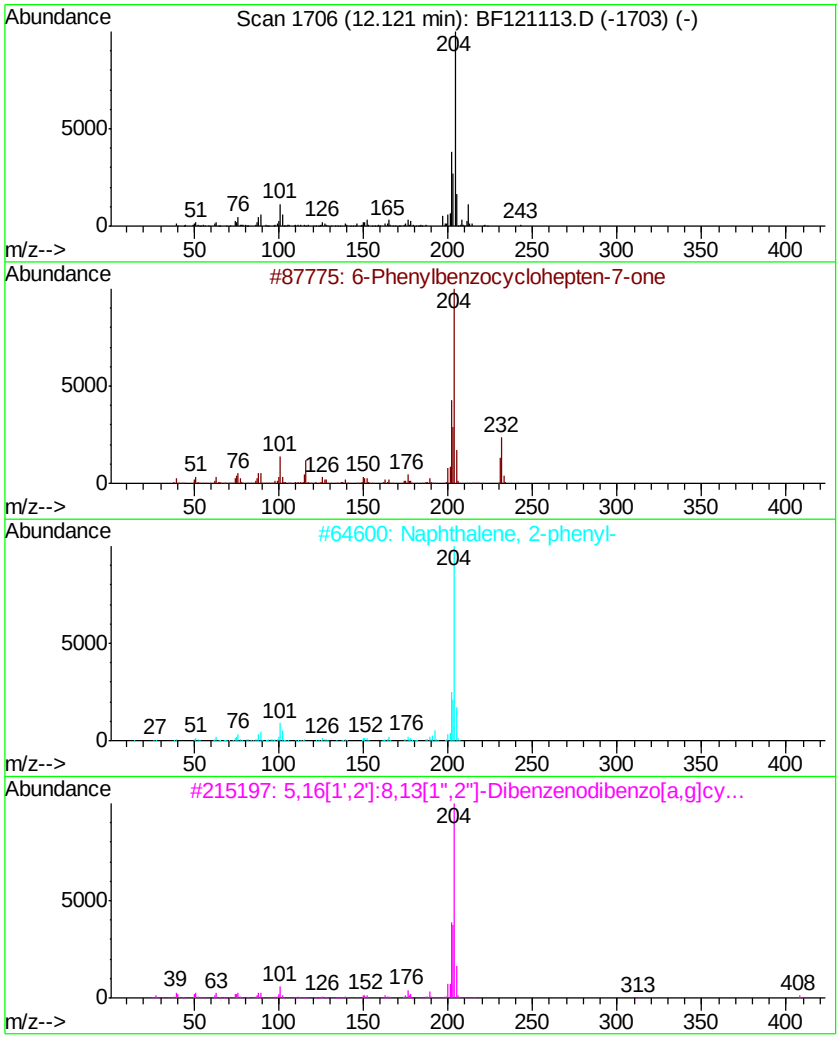
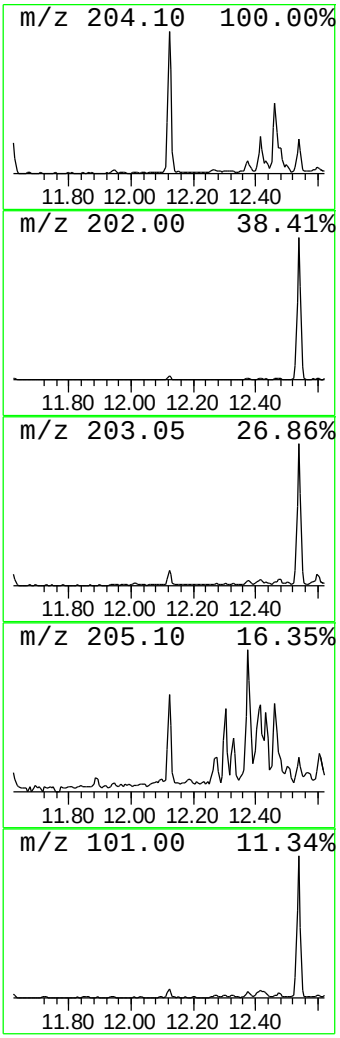
Peak Number 13 6-Phenylbenzocyclohepten-7-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	2.31 ng	122487	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	86
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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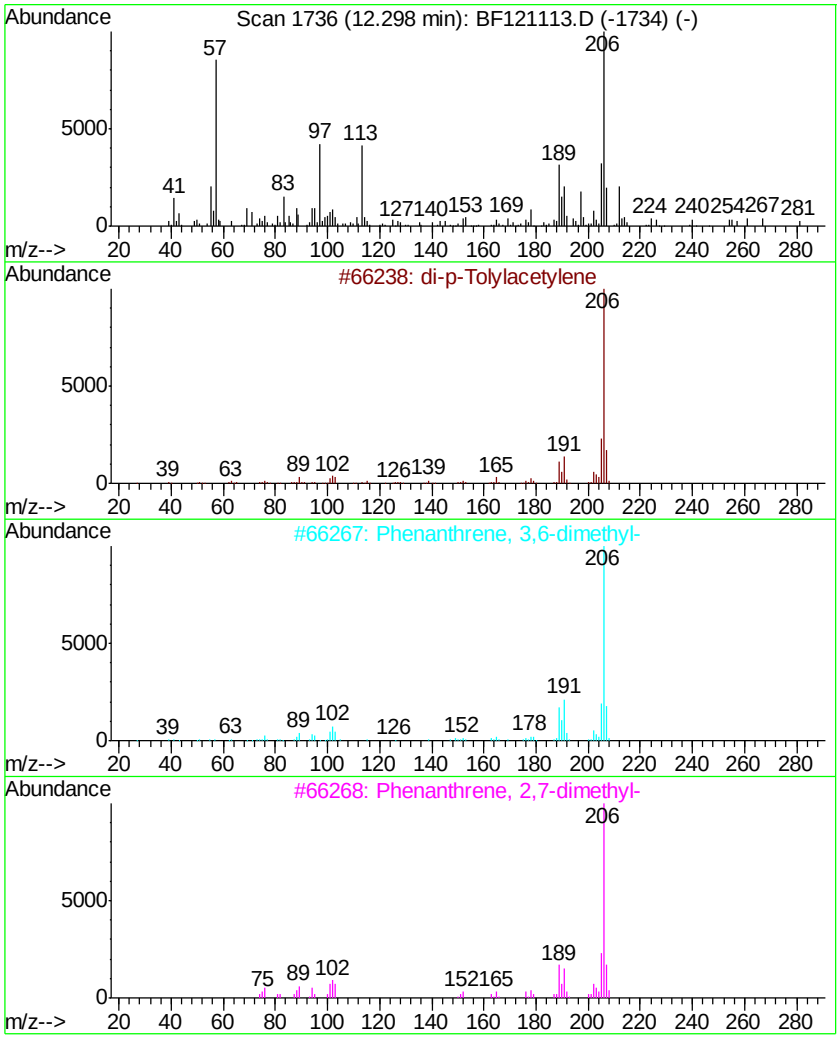
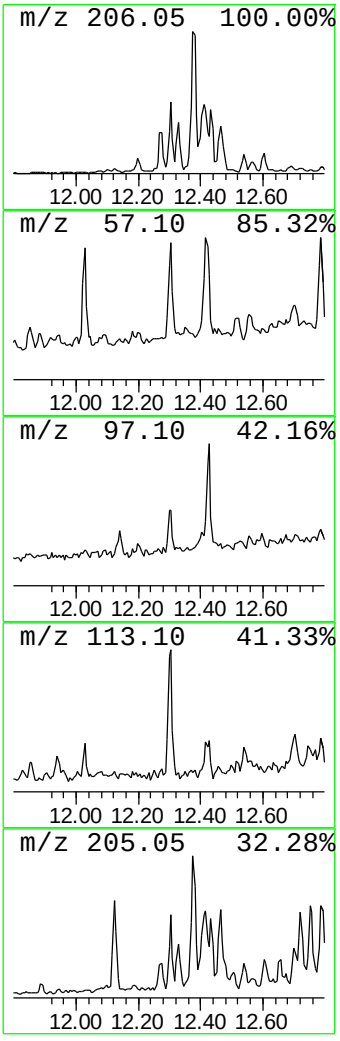
Peak Number 14 di-p-Tolylacetylene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	2.10 ng	111322	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	89
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	70
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	64
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	62
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	62





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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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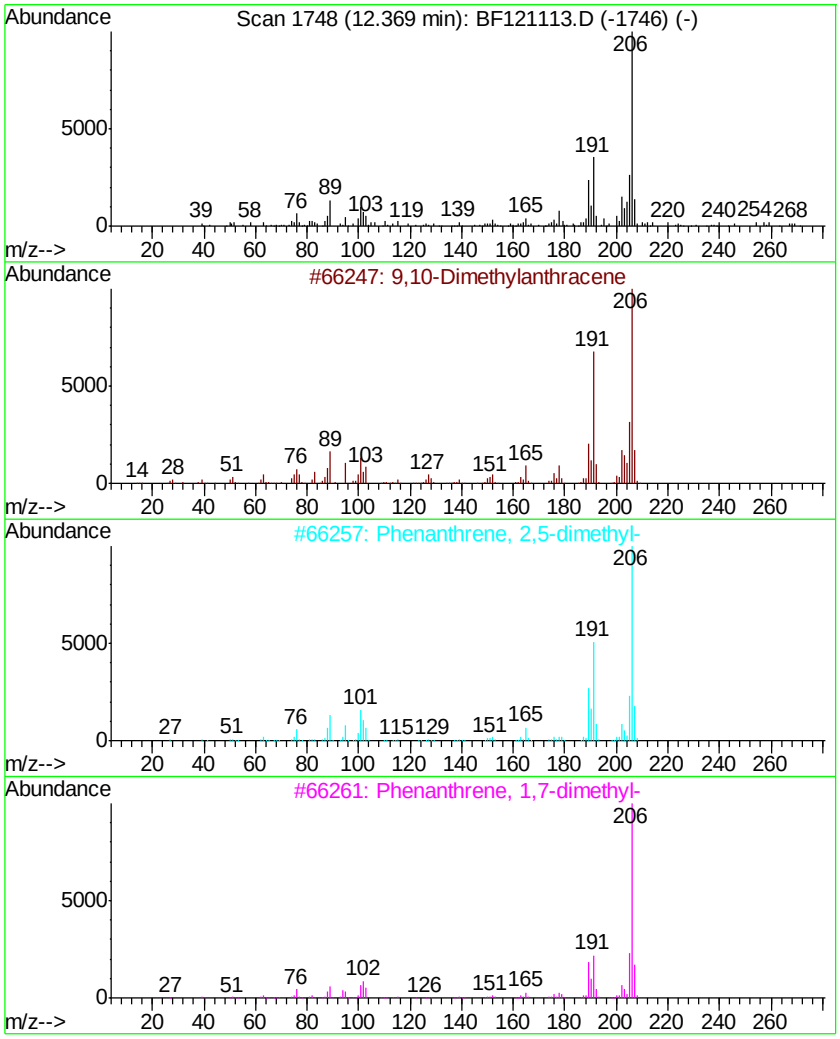
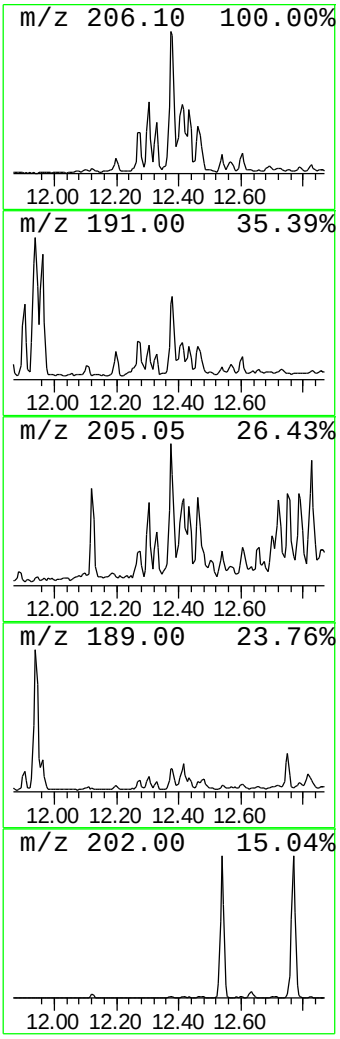
Peak Number 15 9,10-Dimethylanthracene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	3.64 ng	192878	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93





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TIC Integration Parameters: LSCINT.P

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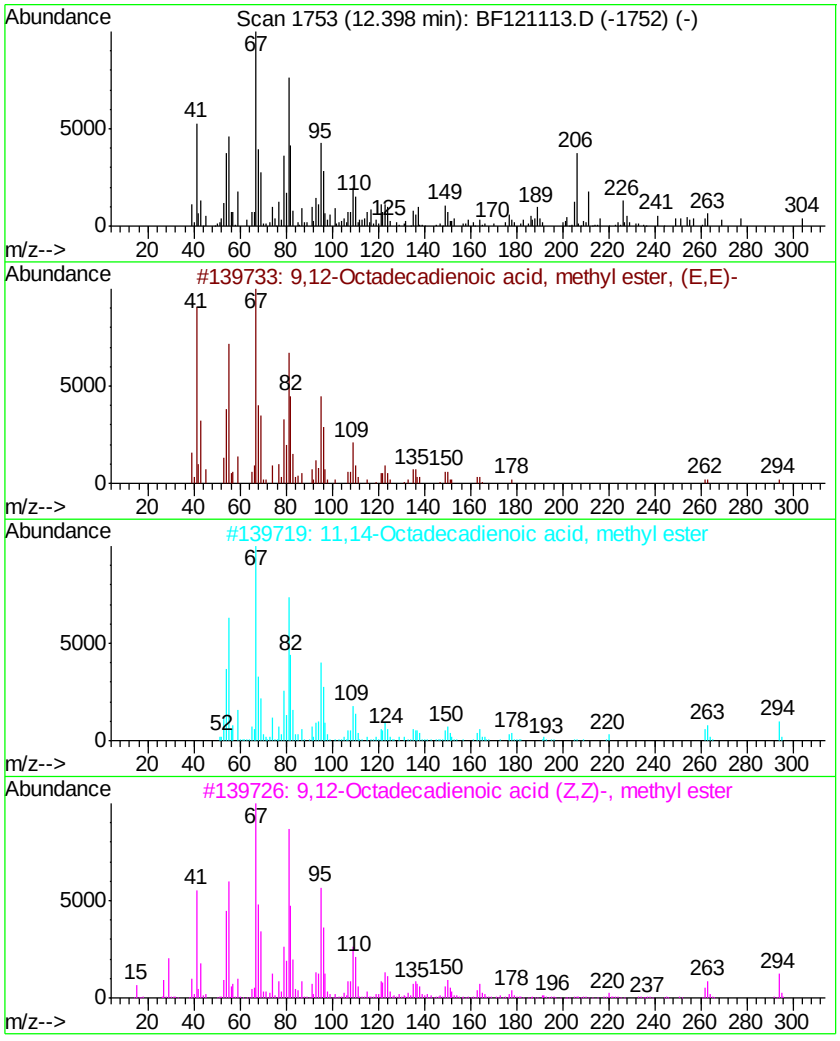
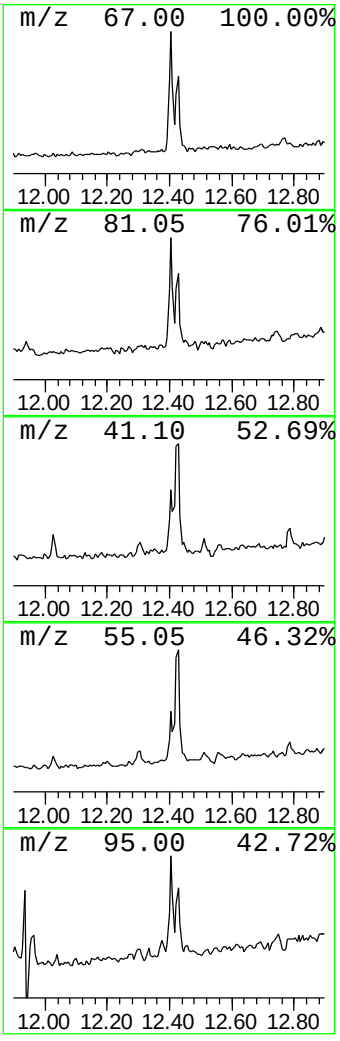
Peak Number 16 9,12-Octadecadienoic acid, ... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	5.47 ng	289848	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	96
2	11,14-Octadecadienoic acid, meth...	294	C19H34O2	056554-61-1	93
3	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	70
4	9,12-Octadecadienoic acid (Z,Z)-	280	C18H32O2	000060-33-3	62
5	3,4-Octadiene, 7-methyl-	124	C9H16	037050-05-8	60





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Sample : L3436-19 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 19

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TIC Integration Parameters: LSCINT.P

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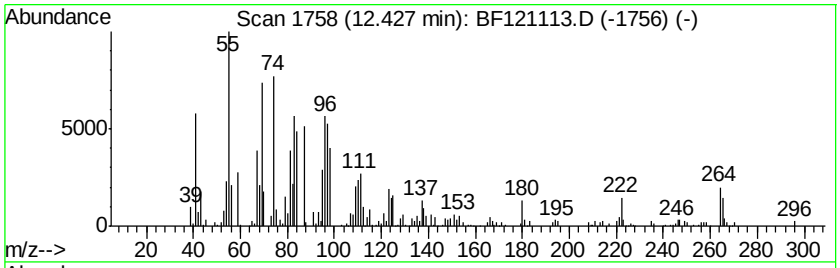
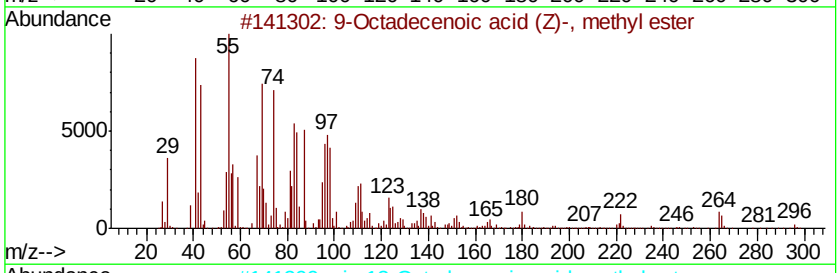
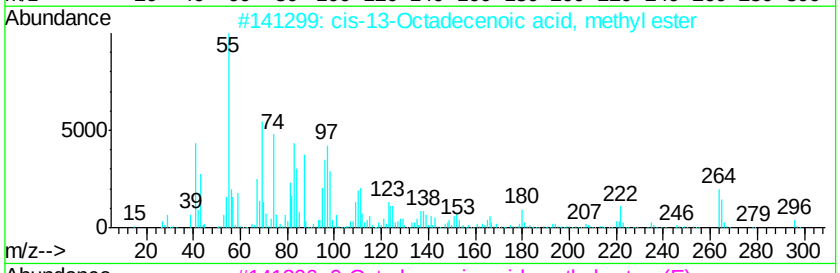
Peak Number 17 9-Octadecenoic acid (Z)-, m... Concentration Rank 2

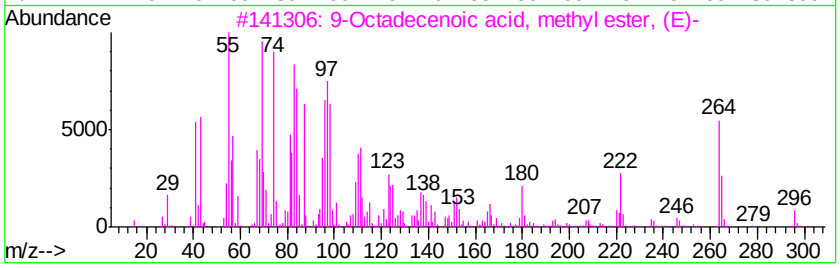
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	6.41 ng	339346	Phenanthrene-d10	11.33

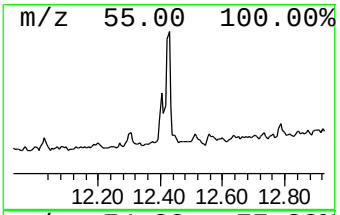
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	99
2	cis-13-Octadecenoic acid, methyl...	296	C19H36O2	1000333-58-3	99
3	9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	99
4	6-Octadecenoic acid, methyl ester	296	C19H36O2	052355-31-4	99
5	trans-13-Octadecenoic acid, meth...	296	C19H36O2	1000333-61-3	99

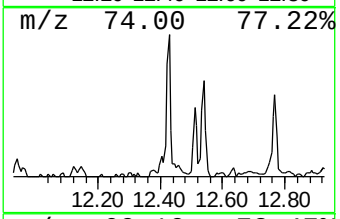


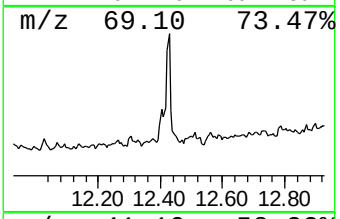


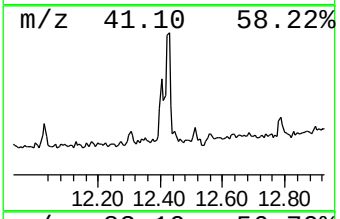


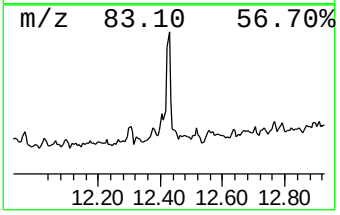












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Data File : BF121113.D
Acq On : 29 Jul 2020 21:01
Operator : JU/CG
Sample : L3436-19 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 19

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.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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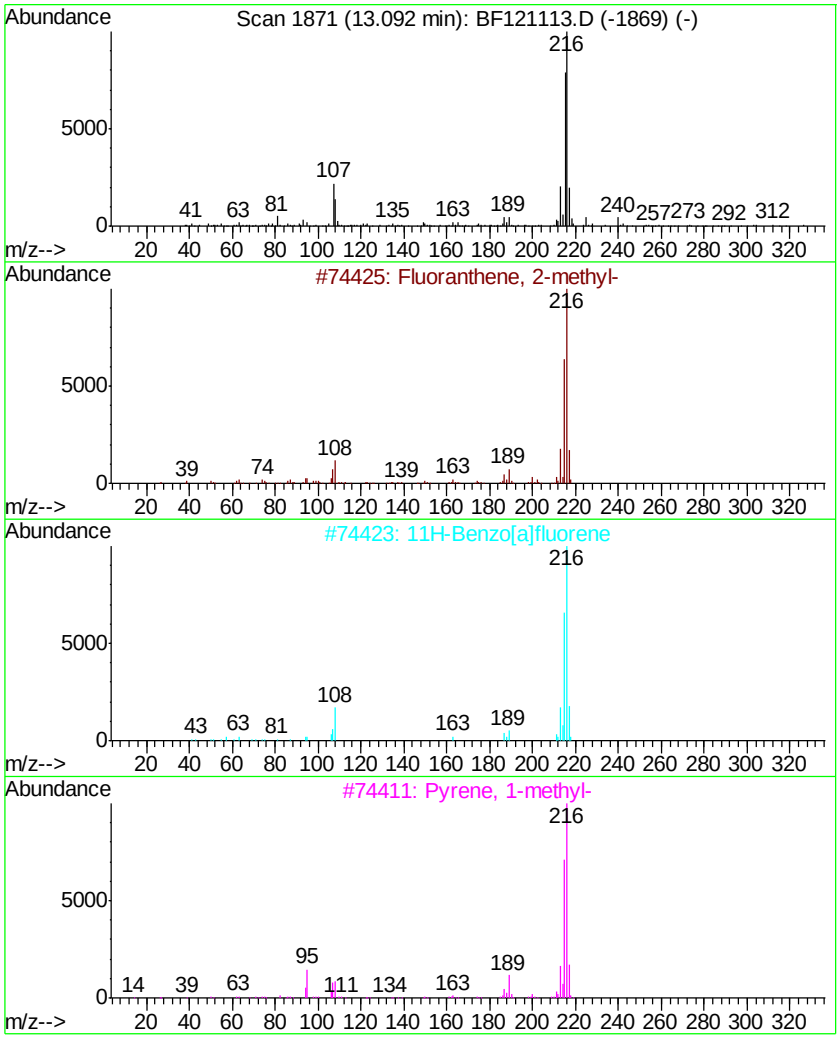
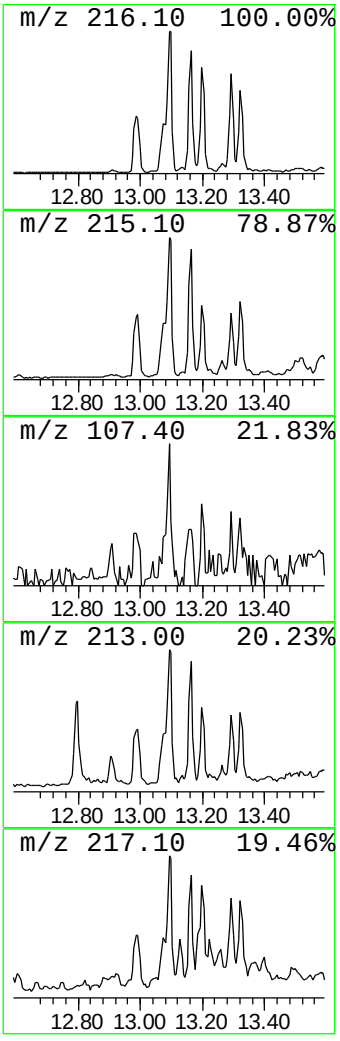
Peak Number 18 Fluoranthene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	2.55 ng	231919	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	89
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86





Library Search Compound Report

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Data File : BF121113.D
Acq On : 29 Jul 2020 21:01
Operator : JU/CG
Sample : L3436-19 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 19

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.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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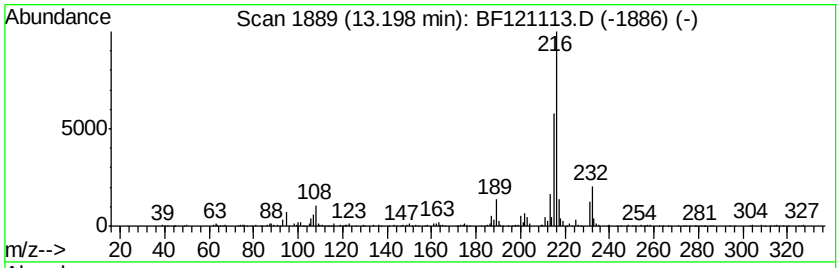
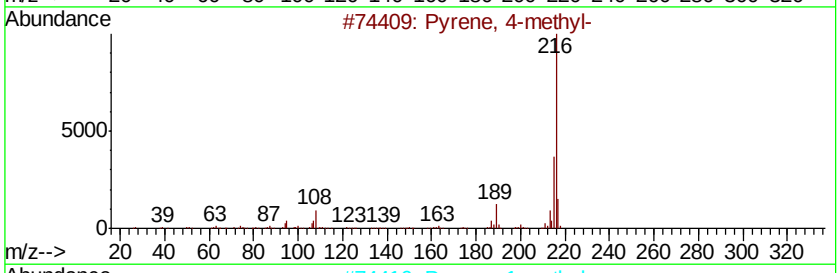
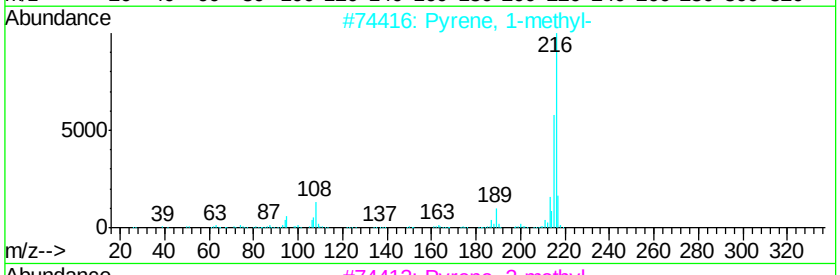
Peak Number 19 Pyrene, 4-methyl- Concentration Rank 20

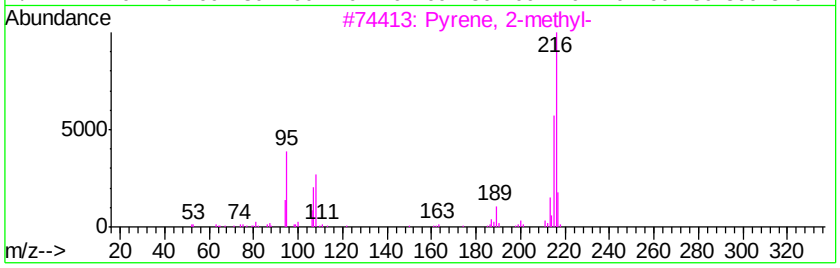
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.20	2.08 ng	189075	Chrysene-d12	13.97

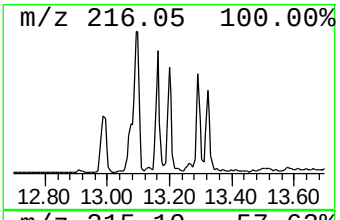
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4-methyl-	216	C17H12	003353-12-6	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	86
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72

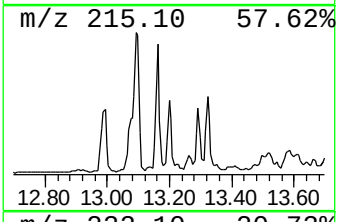


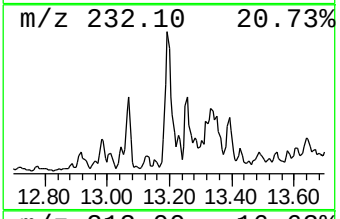


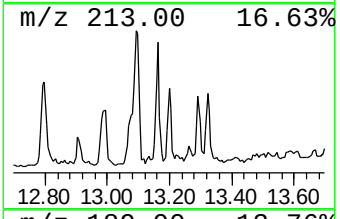


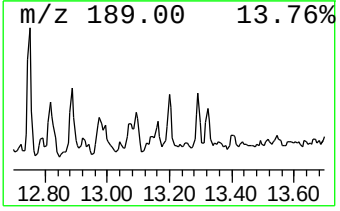












Library Search Compound Report

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Data File : BF121113.D
Acq On : 29 Jul 2020 21:01
Operator : JU/CG
Sample : L3436-19 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 19

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

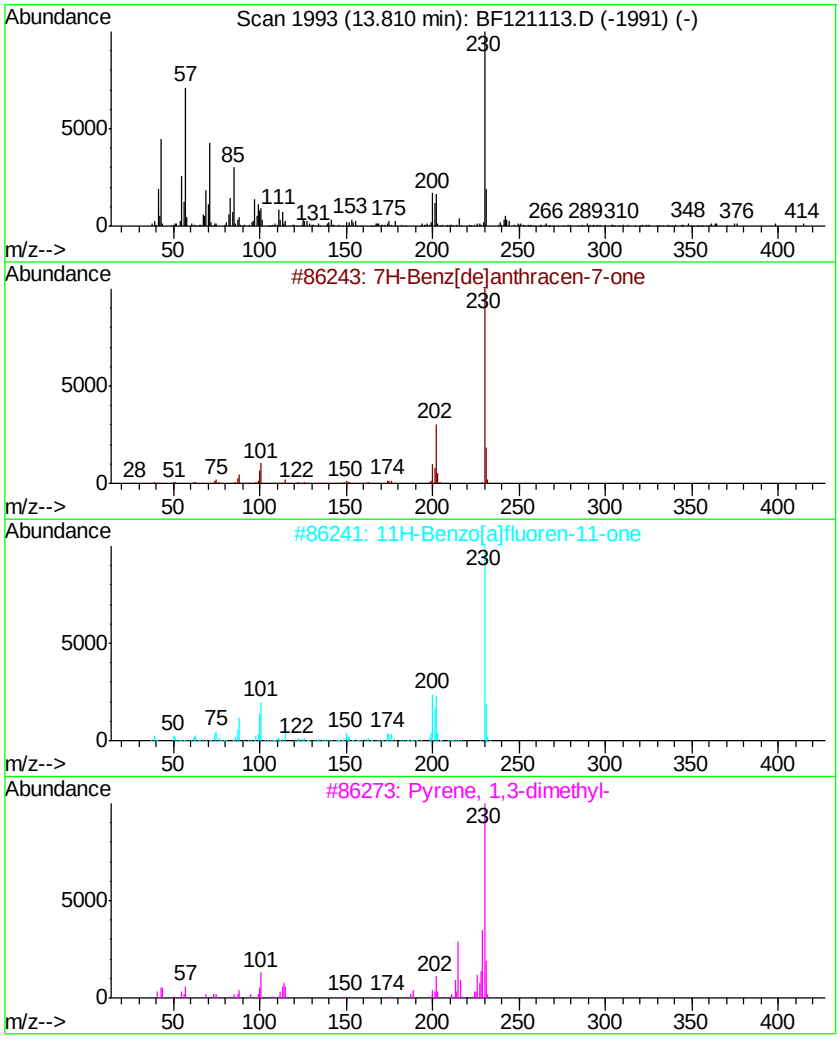
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

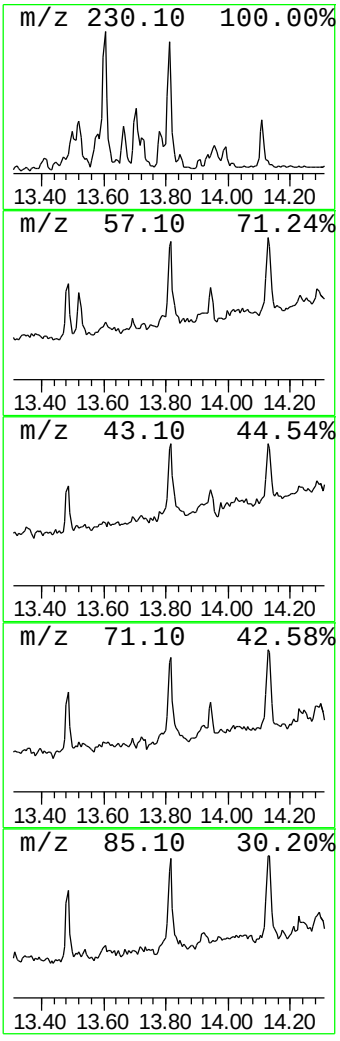
****

Peak Number 20 7H-Benz[de]anthracen-7-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.81	2.12 ng	192469	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	78
2	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	58
3	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	46
4	p-Terphenyl	230	C18H14	000092-94-4	43
5	m-Terphenyl	230	C18H14	000092-06-8	43





Tentatively Identified Compound (LSC) summary

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Acq On : 29 Jul 2020 21:01
Operator : JU/CG
Sample : L3436-19 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 19

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.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
Naphthalene, 1,5-...	9.43	2.1	ng	126637	3	9.84	1180510	20.0
Naphthalene, 2,6-...	9.50	2.4	ng	138669	3	9.84	1180510	20.0
Benzofuran, 5-chl...	10.05	2.5	ng	147403	3	9.84	1180510	20.0
Pentadecane, 2,6,...	10.76	4.0	ng	211965	4	11.33	1058820	20.0
Tridecane, 3-ethyl-	11.19	2.4	ng	127266	4	11.33	1058820	20.0
Dibenzothiophene	11.22	2.8	ng	150455	4	11.33	1058820	20.0
Pentadecanoic aci...	11.72	2.2	ng	114433	4	11.33	1058820	20.0
Phenanthrene, 2-m...	11.83	3.4	ng	178367	4	11.33	1058820	20.0
Anthracene, 2-met...	11.86	5.0	ng	265876	4	11.33	1058820	20.0
Anthracene, 1-met...	11.90	2.8	ng	149810	4	11.33	1058820	20.0
4H-Cyclopenta[def...	11.94	7.0	ng	371342	4	11.33	1058820	20.0
Anthracene, 9-met...	11.96	2.8	ng	148331	4	11.33	1058820	20.0
6-Phenylbenzocycl...	12.12	2.3	ng	122487	4	11.33	1058820	20.0
di-p-Tolylacetylene	12.30	2.1	ng	111322	4	11.33	1058820	20.0
9,10-Dimethylanth...	12.37	3.6	ng	192878	4	11.33	1058820	20.0
9,12-Octadecadien...	12.40	5.5	ng	289848	4	11.33	1058820	20.0
9-Octadecenoic ac...	12.43	6.4	ng	339346	4	11.33	1058820	20.0
Fluoranthene, 2-m...	13.09	2.5	ng	231919	5	13.97	1817280	20.0
Pyrene, 4-methyl-	13.20	2.1	ng	189075	5	13.97	1817280	20.0
7H-Benz[de]anthra...	13.81	2.1	ng	192469	5	13.97	1817280	20.0