LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071619\
Data File : BF115608.D
Acq On : 16 Jul 2019 20:11
Operator : HP/JU
Sample : K3622-05 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-071519-A

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-BF071219.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.146	5	10	16	rVB	362837	467492	19.38%	1.096%
2	3.969	310	320	329	rBV	626167	831540	34.48%	1.949%
3	5.498	575	580	589	rBV	1192848	1214044	50.34%	2.845%
4	6.498	746	750	758	rBV	1380465	1273544	52.80%	2.985%
5	6.645	772	775	779	rBV	1518952	1358844	56.34%	3.185%
6	6.881	812	815	819	rBV	1163631	932279	38.65%	2.185%
7	7.039	838	842	845	rBV	1387820	1162245	48.19%	2.724%
8	7.433	905	909	916	rBV	979607	812386	33.68%	1.904%
9	8.163	1029	1033	1035	rBV	1223802	1029739	42.69%	2.413%
10	8.180	1035	1036	1039	rVB	110175	77179	3.20%	0.181%
11	8.875	1152	1154	1158	rVB	65795	52082	2.16%	0.122%
12	8.975	1167	1171	1175	rVB	79255	71519	2.97%	0.168%
13	9.233	1212	1215	1222	rBV	1503608	1343876	55.72%	3.150%
14	9.498	1257	1260	1265	rBV	55663	76141	3.16%	0.178%
15	9.575	1270	1273	1276	rVV	98818	101252	4.20%	0.237%
16	9.604	1276	1278	1280	rVV	89922	78980	3.27%	0.185%
17	9.627	1280	1282	1287	rVV2	197468	215173	8.92%	0.504%
18	9.692	1290	1293	1298	rVB	54186	62230	2.58%	0.146%
19	9.774	1302	1307	1313	rBV2	245897	268422	11.13%	0.629%
20	9.916	1325	1331	1335	rBV	1151262	1101657	45.68%	2.582%
21	9.951	1335	1337	1340	rVB	131515	105097	4.36%	0.246%
22	10.122	1362	1366	1369	rVB	98434	94559	3.92%	0.222%
23	10.233	1381	1385	1388	rBV2	50224	57566	2.39%	0.135%
24	10.463	1421	1424	1430	rVB	216827	220085	9.13%	0.516%
25	10.527	1430	1435	1437	rBV2	39079	51516	2.14%	0.121%
26	10.704	1460	1465	1469	rBV	692599	721749	29.92%	1.691%
27	10.827	1482	1486	1493	rVB3	100252	136892	5.68%	0.321%
28	11.010	1513	1517	1520	rBV2	76443	94972	3.94%	0.223%
29	11.039	1520	1522	1525	rVV2	63639	63117	2.62%	0.148%
30	11.092	1528	1531	1535	rVV	53014	52190	2.16%	0.122%
31	11.139	1535	1539	1541	rVV3	33344	48508	2.01%	0.114%
32	11.163	1541	1543	1545	rVV2	59048	52551	2.18%	0.123%
33	11.210	1548	1551	1554	rVV4	43518	52187	2.16%	0.122%
34	11.274	1559	1562	1563	rVV	70829	72084	2.99%	0.169%

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Sample : K3622-05 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-071519-A

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-BF071219.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.298	1563	1566	1571	rVB2	143704	151946	6.30%	0.356%
36	11.404	1580	1584	1586	rBV	1062705	1069760	44.35%	2.507%
37	11.427	1586	1588	1591	rVV	1380205	1069392	44.34%	2.506%
38	11.457	1591	1593	1594	rVV	69866	64043	2.66%	0.150%
39	11.474	1594	1596	1599	rVV	420008	358849	14.88%	0.841%
40	11.510	1599	1602	1606	rVB2	57618	67920	2.82%	0.159%
41	11.627	1619	1622	1625	rBV	60708	56099	2.33%	0.131%
42	11.698	1631	1634	1636	rVB	119225	86756	3.60%	0.203%
43	11.733	1636	1640	1643	rBV	81190	74516	3.09%	0.175%
44	11.798	1647	1651	1653	rBV	366213	327159	13.56%	0.767%
45	11.904	1666	1669	1671	rVV	263603	235772	9.78%	0.553%
46	11.927	1671	1673	1679	rVV	676982	615015	25.50%	1.441%
47	11.980	1679	1682	1685	rVV	134217	134660	5.58%	0.316%
48	12.016	1685	1688	1690	rVV	542119	548751	22.75%	1.286%
49	12.039	1690	1692	1696	rVB	204375	175852	7.29%	0.412%
50	12.104	1701	1703	1706	rVV	78400	62240	2.58%	0.146%
51	12.198	1716	1719	1721	rVV	177834	155208	6.44%	0.364%
52	12.216	1721	1722	1727	rVB2	79924	83406	3.46%	0.195%
53	12.327	1739	1741	1743	rBV	46283	47914	1.99%	0.112%
54	12.380	1747	1750	1752	rBV	75346	68466	2.84%	0.160%
55	12.404	1752	1754	1756	rVB2	74137	60233	2.50%	0.141%
56	12.451	1759	1762	1765	rBV	217131	236421	9.80%	0.554%
57	12.480	1765	1767	1769	rBV2	897166	849689	35.23%	1.991%
58	12.504	1769	1771	1774	rVB	1440184	1126260	46.70%	2.640%
59	12.586	1782	1785	1787	rBV2	196065	169566	7.03%	0.397%
60	12.616	1787	1790	1793	rVV	2253137	2044899	84.78%	4.792%
61	12.657	1795	1797	1799	rVV	104454	111614	4.63%	0.262%
62	12.710	1803	1806	1810	rBV	357429	365078	15.14%	0.856%
63	12.768	1813	1816	1823	rVB3	101924	150533	6.24%	0.353%
64	12.845	1823	1829	1832	rBV	2107646	2332146	96.69%	5.466%
65	12.892	1835	1837	1842	rVB2	88655	128302	5.32%	0.301%
66	12.963	1846	1849	1850	rBV2	111888	111116	4.61%	0.260%
67	12.986	1850	1853	1861	rVB	1408100	1330735	55.17%	3.119%
68	13.063	1861	1866	1869	rBV3	199602	309651	12.84%	0.726%
69	13.121	1873	1876	1878	rBV2	74616	93933	3.89%	0.220%
70	13.151	1878	1881	1882	rBV2	135090	148234	6.15%	0.347%
71	13.168	1882	1884	1888	rVB	481185	433977	17.99%	1.017%

LSC Area Percent Report

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Operator : HP/JU
Sample : K3622-05 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-071519-A

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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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.239	1890	1896	1898	rBV2	443582	429404	17.80%	1.006%
73	13.274	1898	1902	1905	rBV2	289824	276738	11.47%	0.649%
74	13.339	1910	1913	1915	rBV3	46626	62066	2.57%	0.145%
75	13.368	1915	1918	1920	rVB	183334	150033	6.22%	0.352%
76	13.398	1920	1923	1926	rBV2	198077	185056	7.67%	0.434%
77	13.657	1964	1967	1968	rBV3	67788	77848	3.23%	0.182%
78	13.792	1986	1990	1992	rBV2	165400	197959	8.21%	0.464%
79	13.815	1992	1994	1996	rVB	172185	128384	5.32%	0.301%
80	13.839	1996	1998	2002	rBV2	138658	151238	6.27%	0.354%
81	14.033	2027	2031	2035	rBV2	1587856	2411867	100.00%	5.652%
82	14.068	2035	2037	2042	rVB	1131025	966220	40.06%	2.264%
83	14.145	2048	2050	2053	rBV	206713	146314	6.07%	0.343%
84	14.180	2054	2056	2058	rBV	125813	123503	5.12%	0.289%
85	14.257	2067	2069	2074	rBV2	104059	116959	4.85%	0.274%
86	14.392	2090	2092	2093	rBV	89933	68767	2.85%	0.161%
87	14.427	2095	2098	2101	rVB	273532	250784	10.40%	0.588%
88	14.457	2101	2103	2106	rVB	157295	142804	5.92%	0.335%
89	14.515	2110	2113	2116	rVB2	171452	219215	9.09%	0.514%
90	14.551	2116	2119	2121	rBV	188629	192697	7.99%	0.452%
91	14.821	2162	2165	2168	rBV	166895	183483	7.61%	0.430%
92	15.086	2205	2210	2213	rBV	1008449	1580296	65.52%	3.704%
93	15.162	2220	2223	2225	rVV	185678	188309	7.81%	0.441%
94	15.192	2225	2228	2232	rVB	245693	255846	10.61%	0.600%
95	15.392	2258	2262	2268	rVB	531752	692473	28.71%	1.623%
96	15.451	2268	2272	2278	rVV	852525	1061048	43.99%	2.487%
97	15.515	2279	2283	2286	rVV	741948	1000025	41.46%	2.344%
98	15.545	2286	2288	2295	rVB2	451845	547066	22.68%	1.282%
99	16.986	2528	2533	2542	rVB2	287586	604230	25.05%	1.416%
100	17.433	2605	2609	2619	rVB	220806	448969	18.61%	1.052%

Sum of corrected areas: 42669409

LSC Report - Integrated Chromatogram

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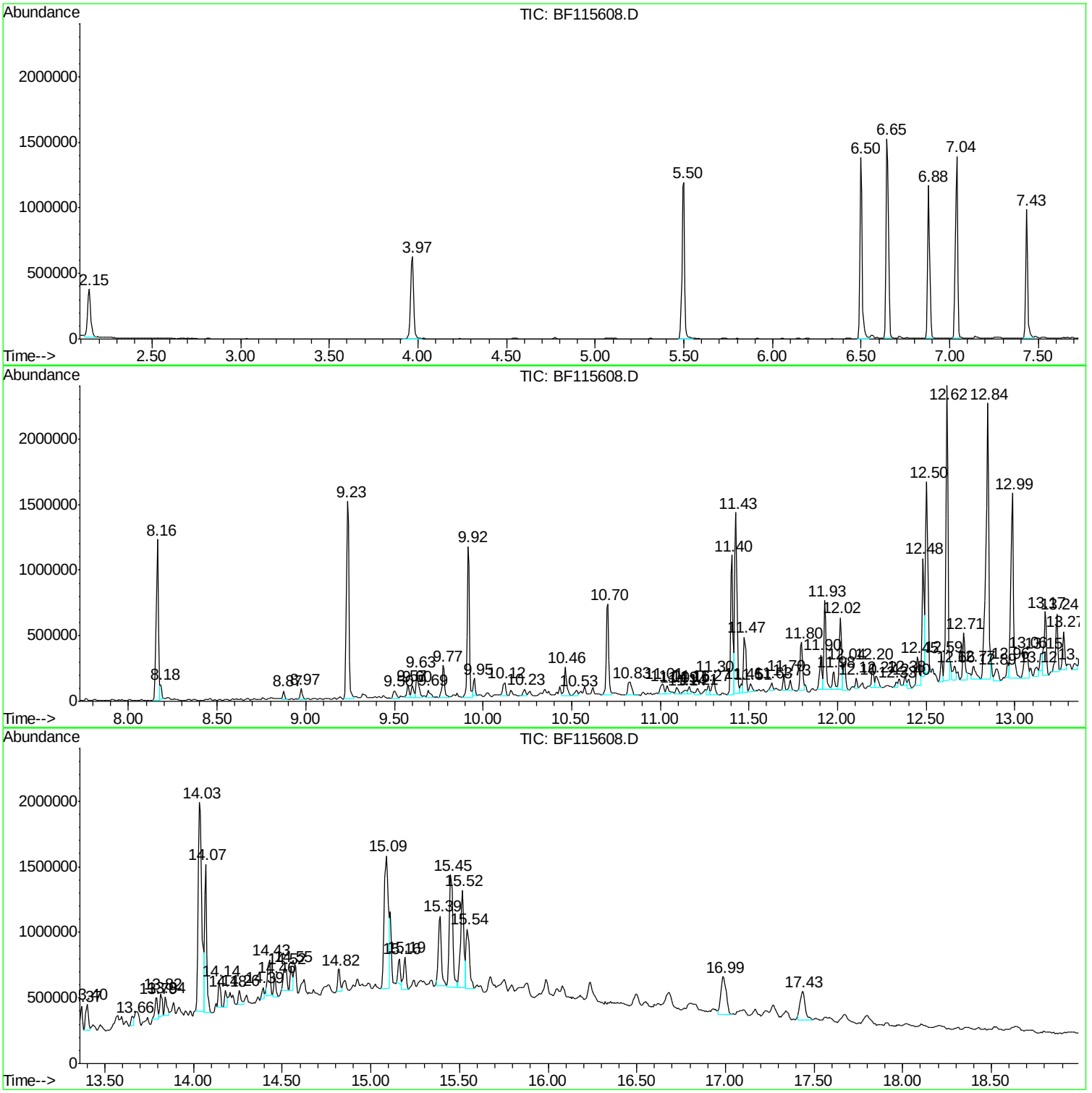
Sample : K3622-05 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-071519-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.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\BF071619\
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Operator : HP/JU
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Instrument : BNA_F
ClientSampleId : OR-03-071519-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

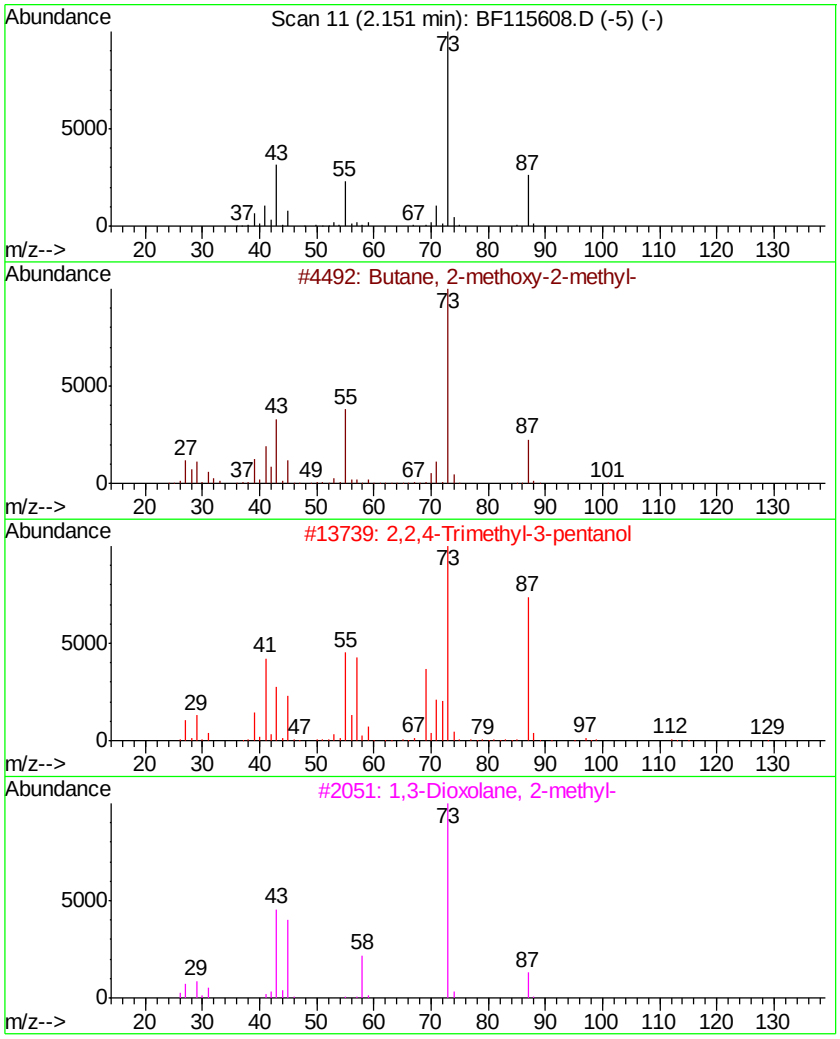
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

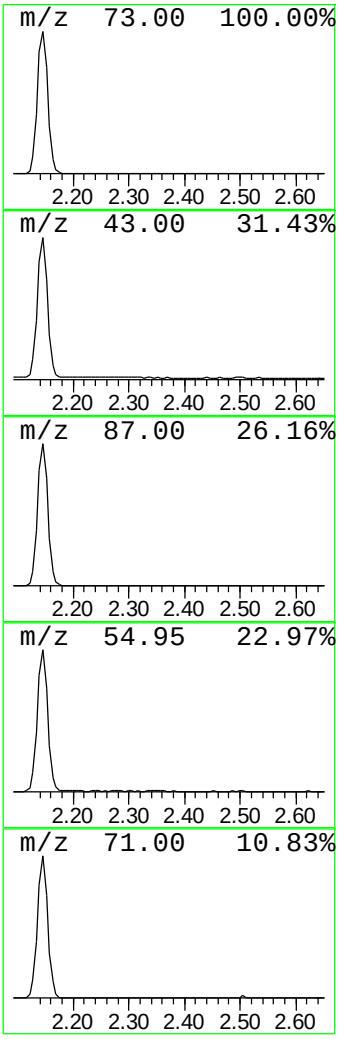
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.15	10.03 ng	467492	1,4-Dichlorobenzene-d4	6.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17





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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

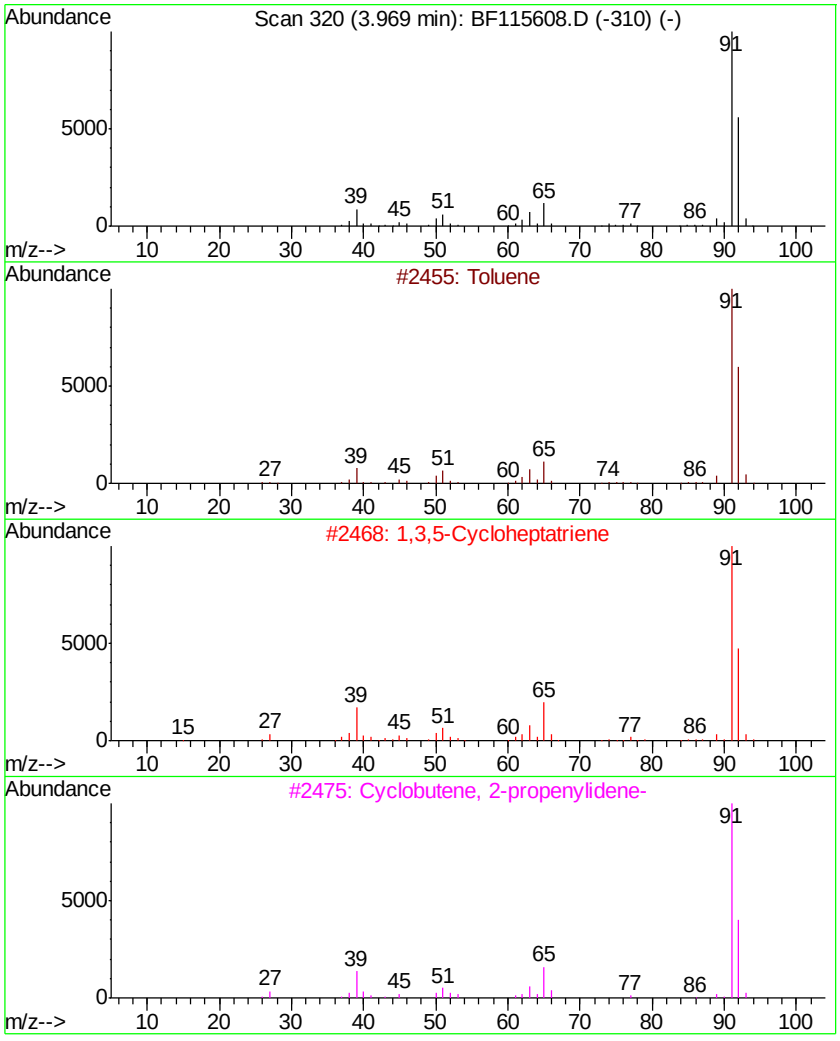
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

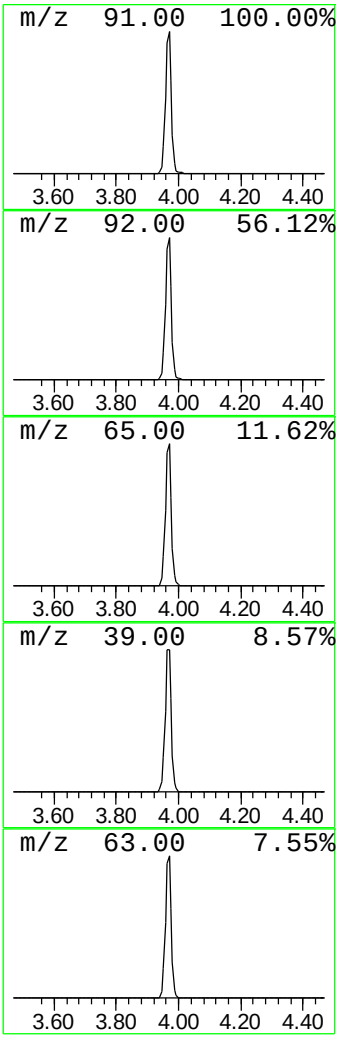
****

Peak Number 2 1,3,5-Cycloheptatriene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.97	17.84 ng	831540	1,4-Dichlorobenzene-d4	6.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Toluene	92	C7H8	000108-88-3	95
2	1,3,5-Cycloheptatriene	92	C7H8	000544-25-2	90
3	Cyclobutene, 2-propenylidene-	92	C7H8	052097-85-5	78
4	Spiro[2,4]hepta-4,6-diene	92	C7H8	000765-46-8	74
5	2,5-Norbornadiene	92	C7H8	000121-46-0	72





Library Search Compound Report

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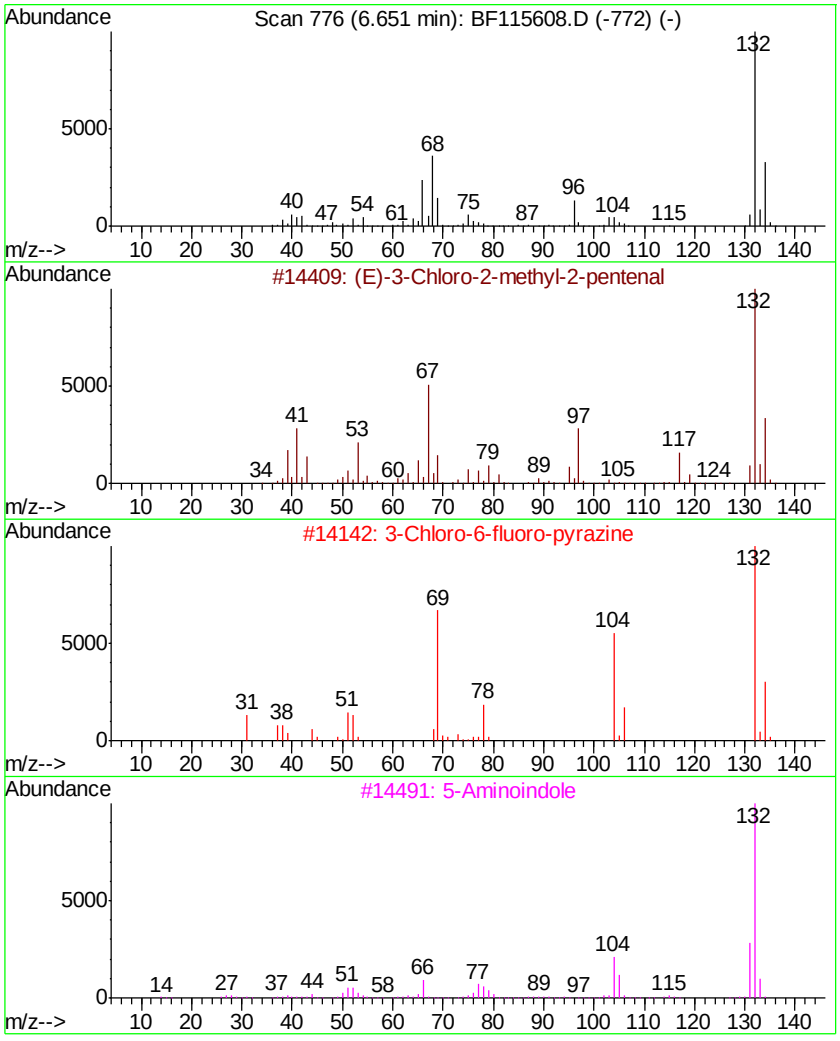
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

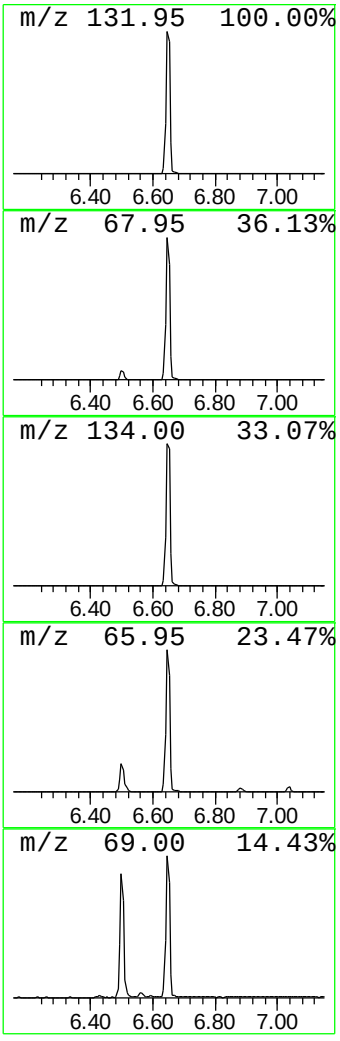
****

Peak Number 3 unknown6.65 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	29.15 ng	1358840	1,4-Dichlorobenzene-d4	6.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9





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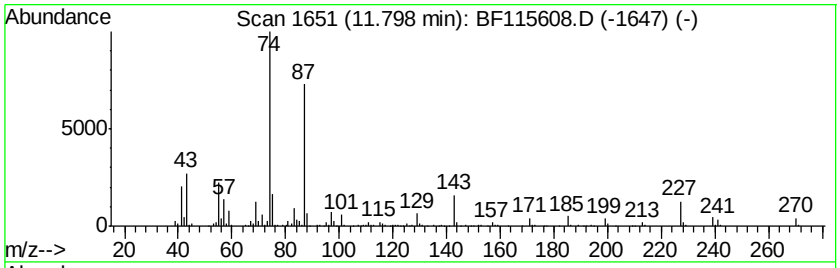
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

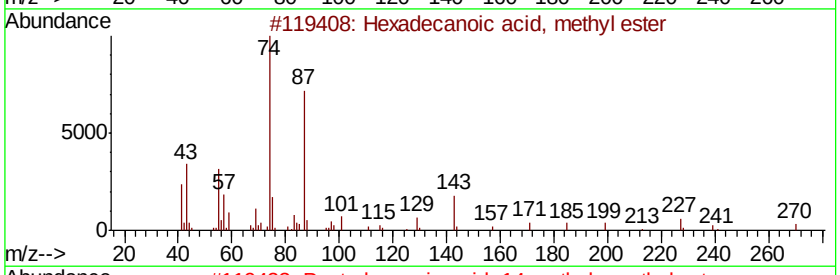
****

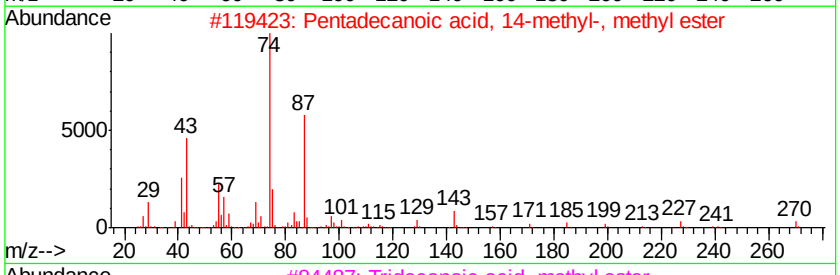
Peak Number 5 Hexadecanoic acid, methyl e... Concentration Rank 11

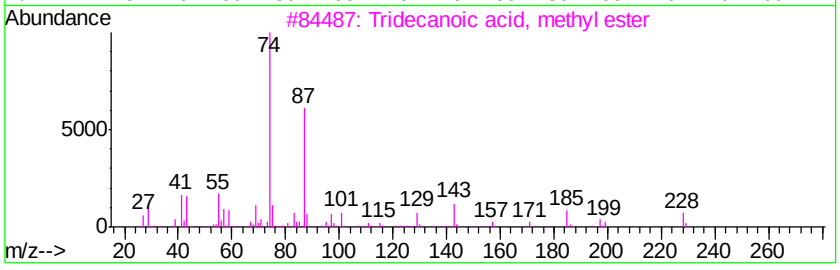
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	6.12 ng	327159	Phenanthrene-d10	11.40

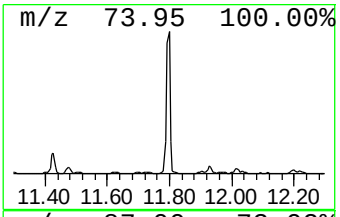
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	93
3	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	81
4	Methyl 11-methyl-dodecanoate	228	C14H28O2	1000336-45-1	72
5	Methyl tetradecanoate	242	C15H30O2	000124-10-7	72

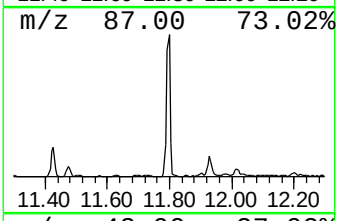


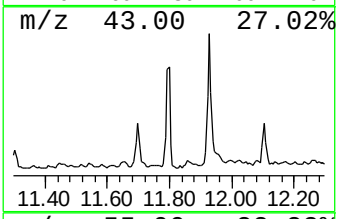


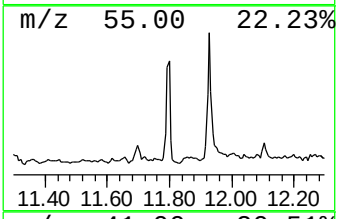


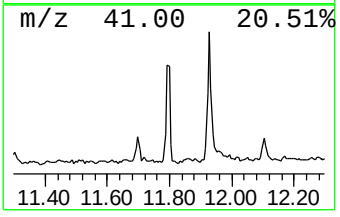












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Acq On : 16 Jul 2019 20:11
Operator : HP/JU
Sample : K3622-05 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-071519-A

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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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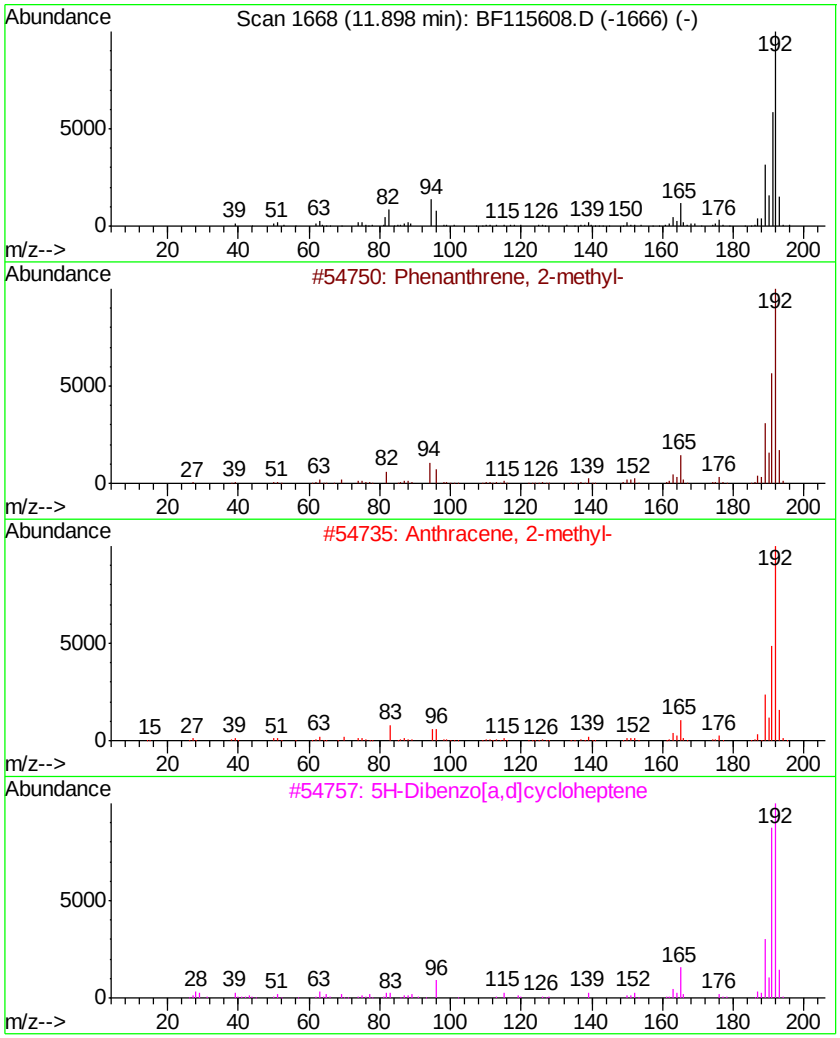
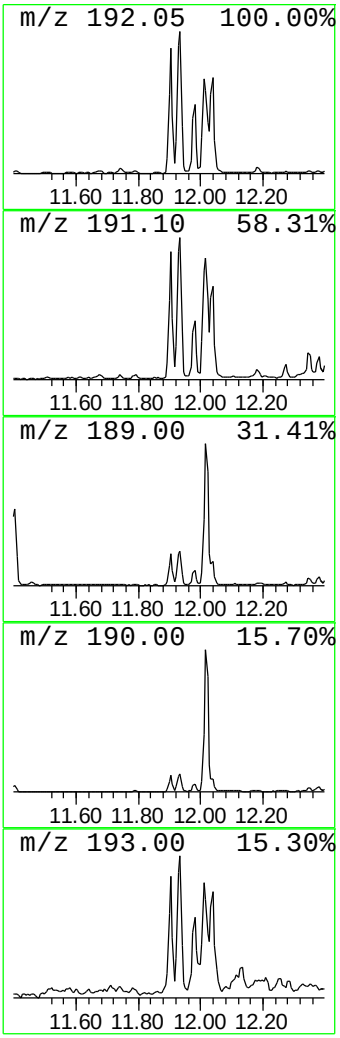
Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	4.41 ng	235772	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Sample : K3622-05 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-071519-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.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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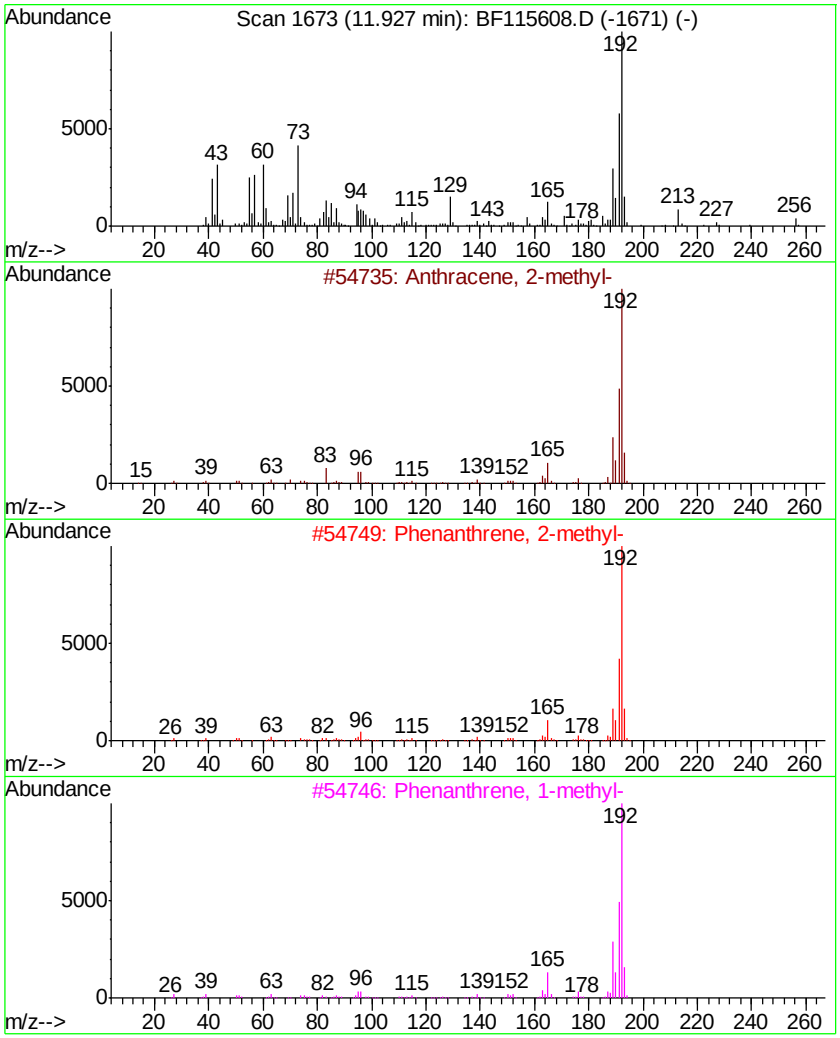
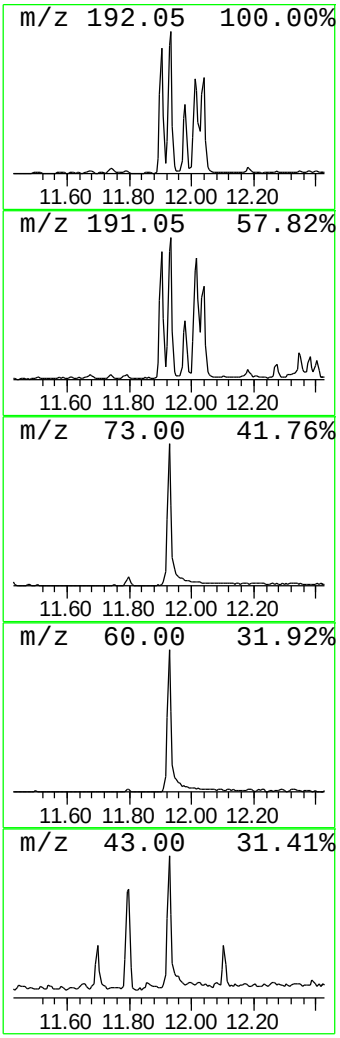
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	11.50 ng	615015	Phenanthrene-d10	11.40

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, 1-methyl-	192	C15H12	000610-48-0	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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Instrument : BNA_F
ClientSampleId : OR-03-071519-A

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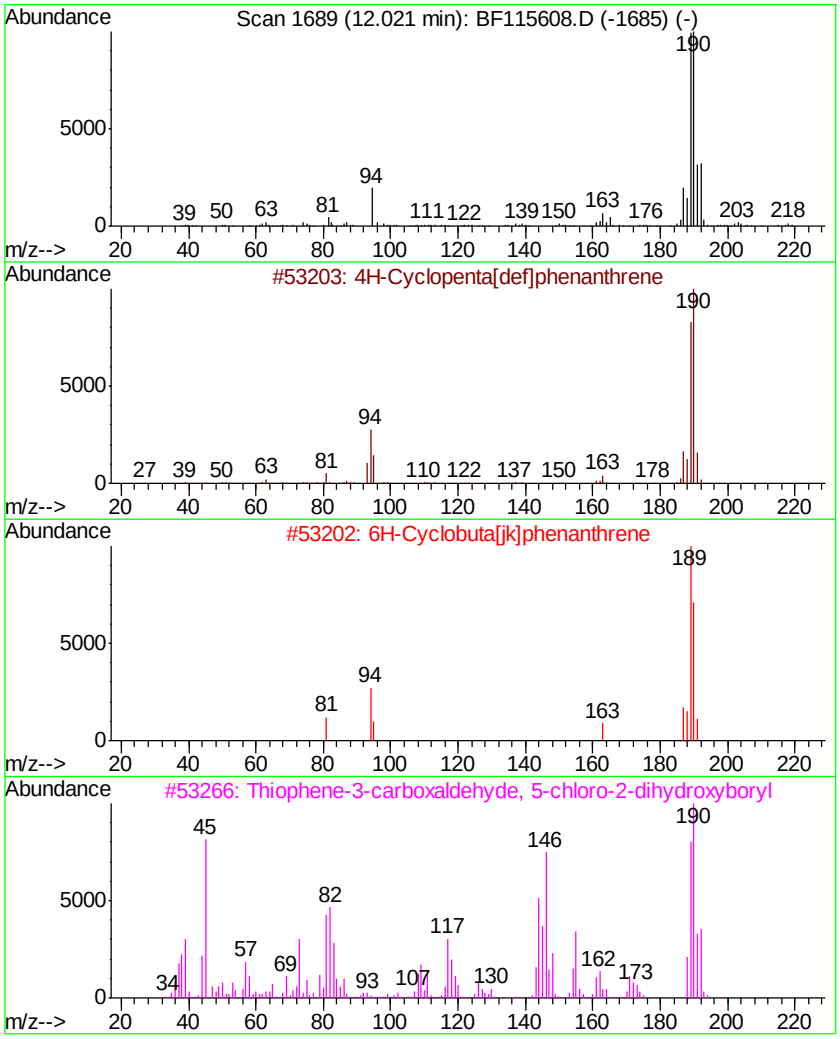
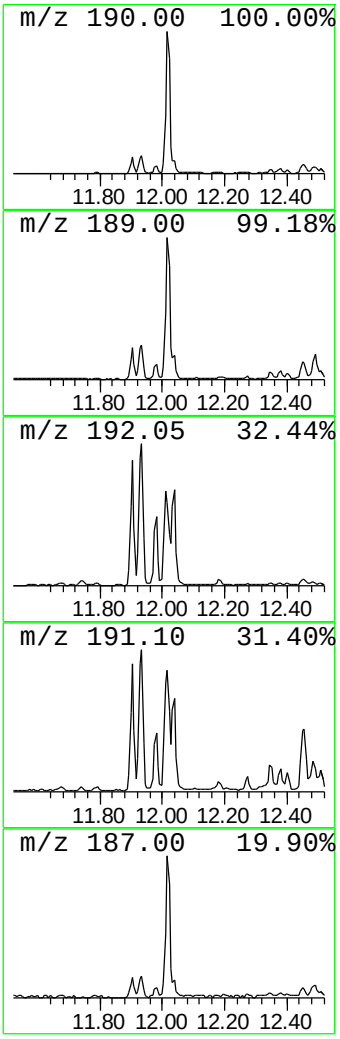
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	10.26 ng	548751	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
5	Methyl diselenide	190	C2H6Se2	007101-31-7	43





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ALS Vial : 14 Sample Multiplier: 1

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ClientSampleId : OR-03-071519-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.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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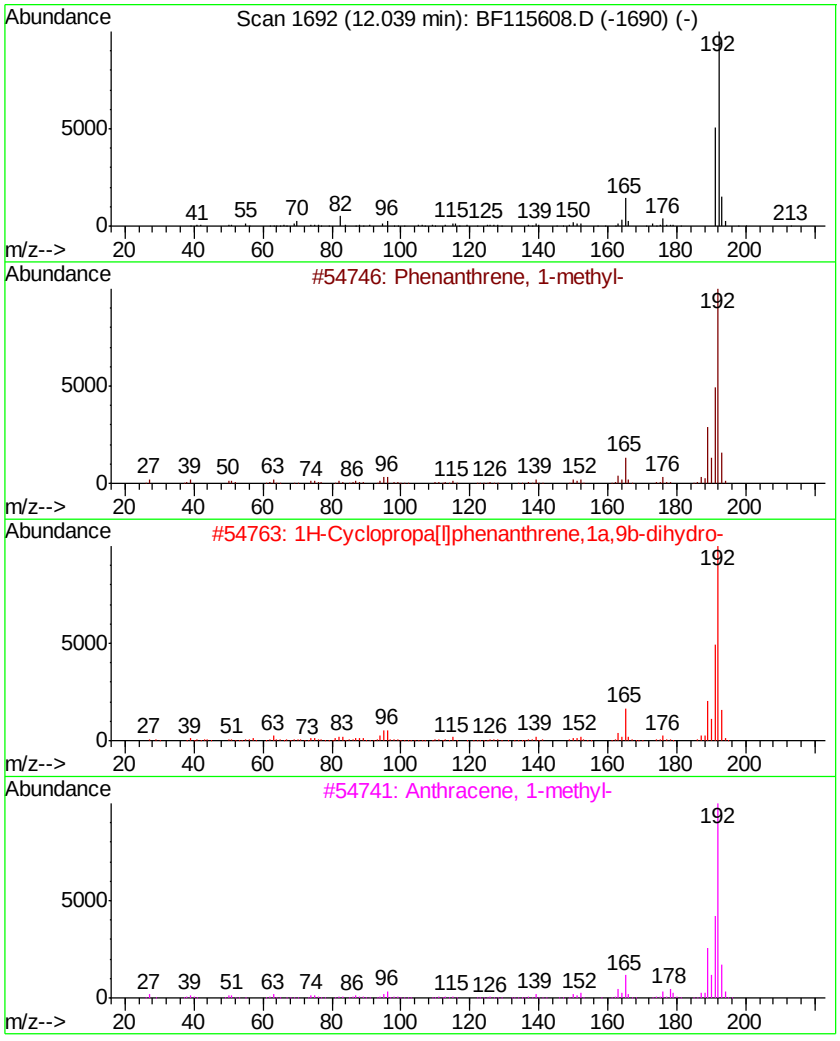
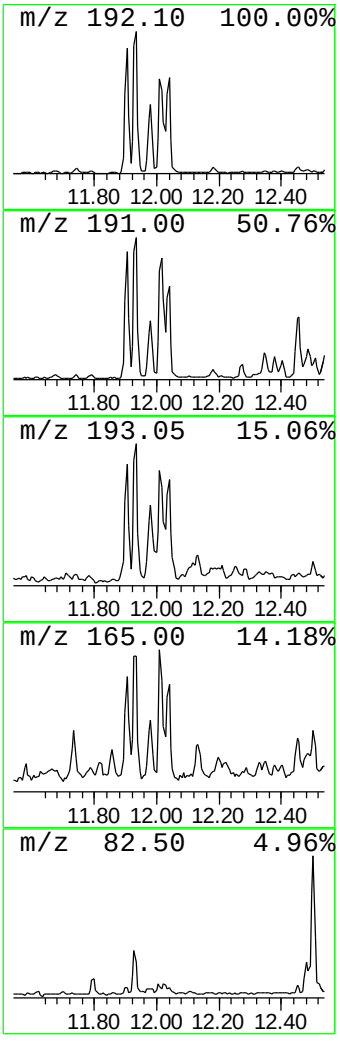
Peak Number 9 1H-Cyclopropa[l]phenanthren... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	3.29 ng	175852	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90





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

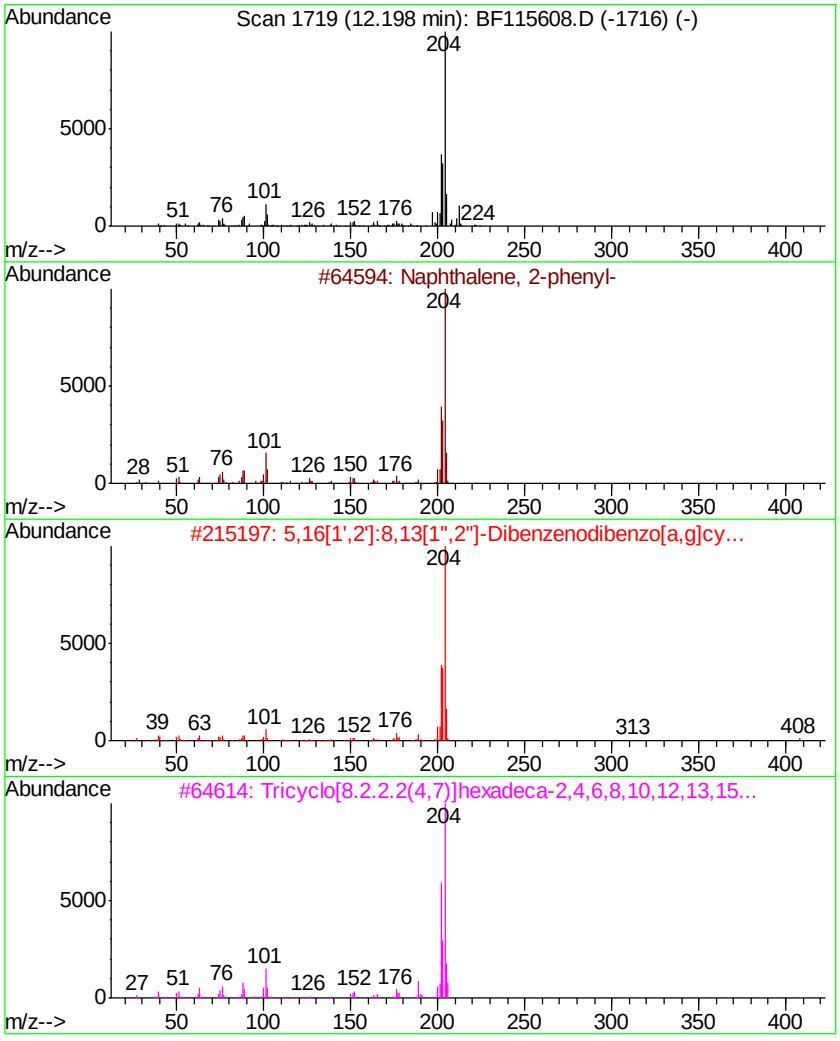
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

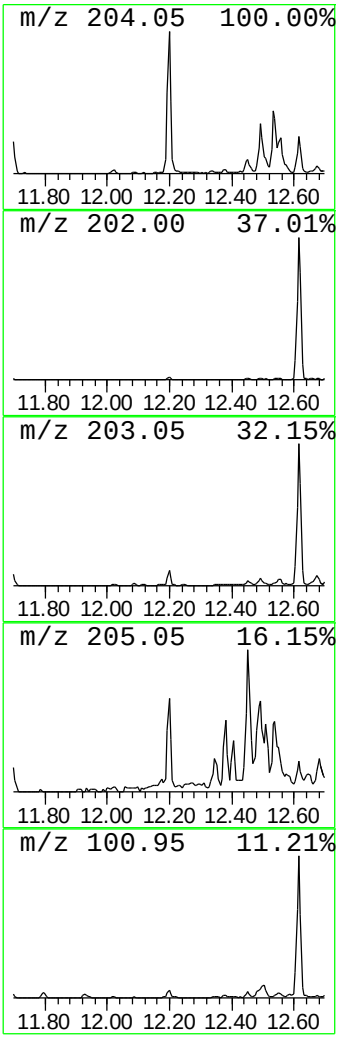
****

Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	2.90 ng	155208	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	53





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ALS Vial : 14 Sample Multiplier: 1

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ClientSampleId : OR-03-071519-A

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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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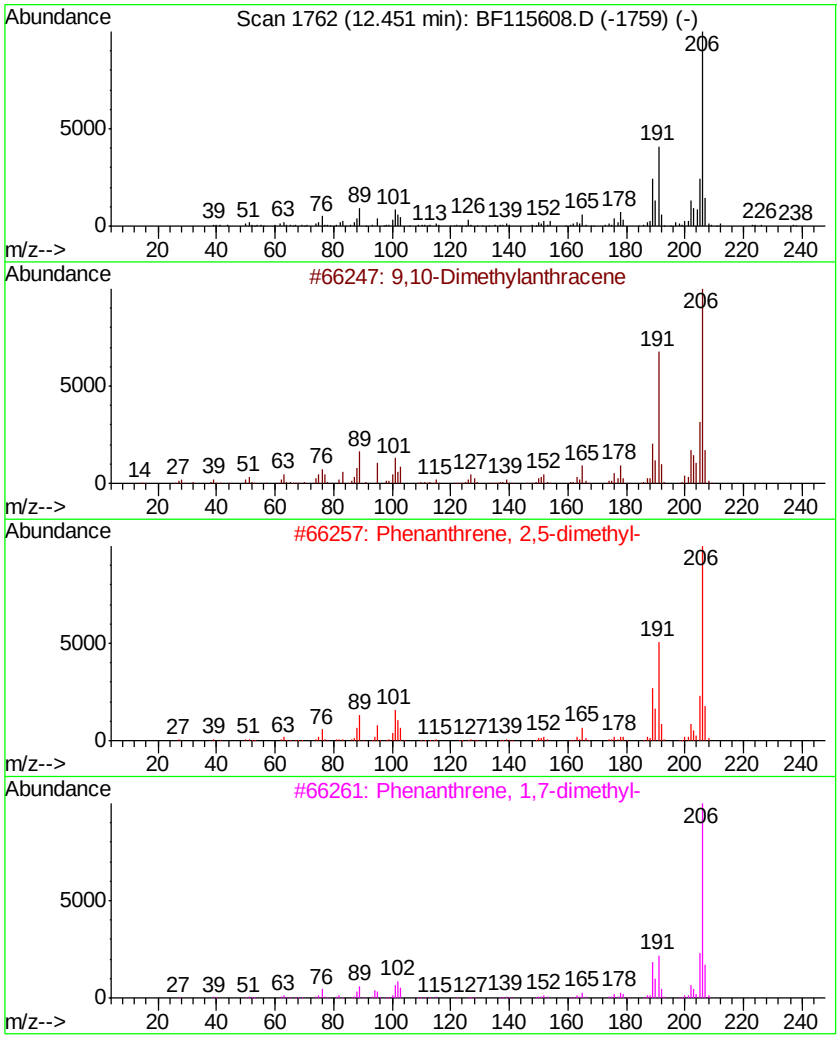
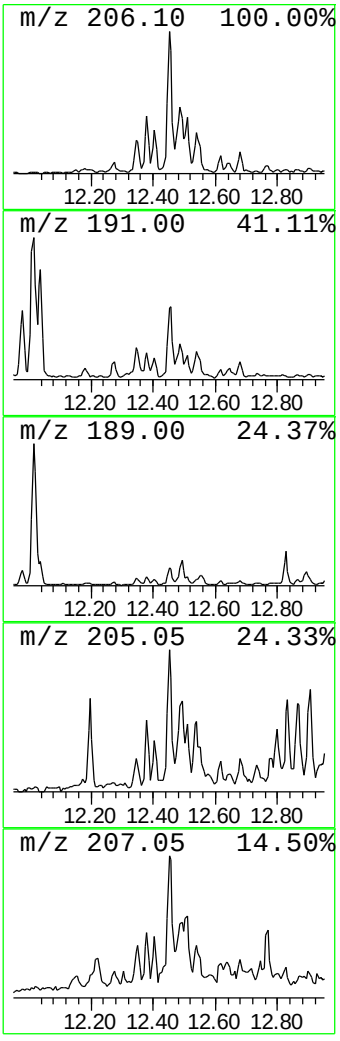
Peak Number 11 9,10-Dimethylanthracene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	4.42 ng	236421	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	86





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Misc :
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Instrument : BNA_F
ClientSampleId : OR-03-071519-A

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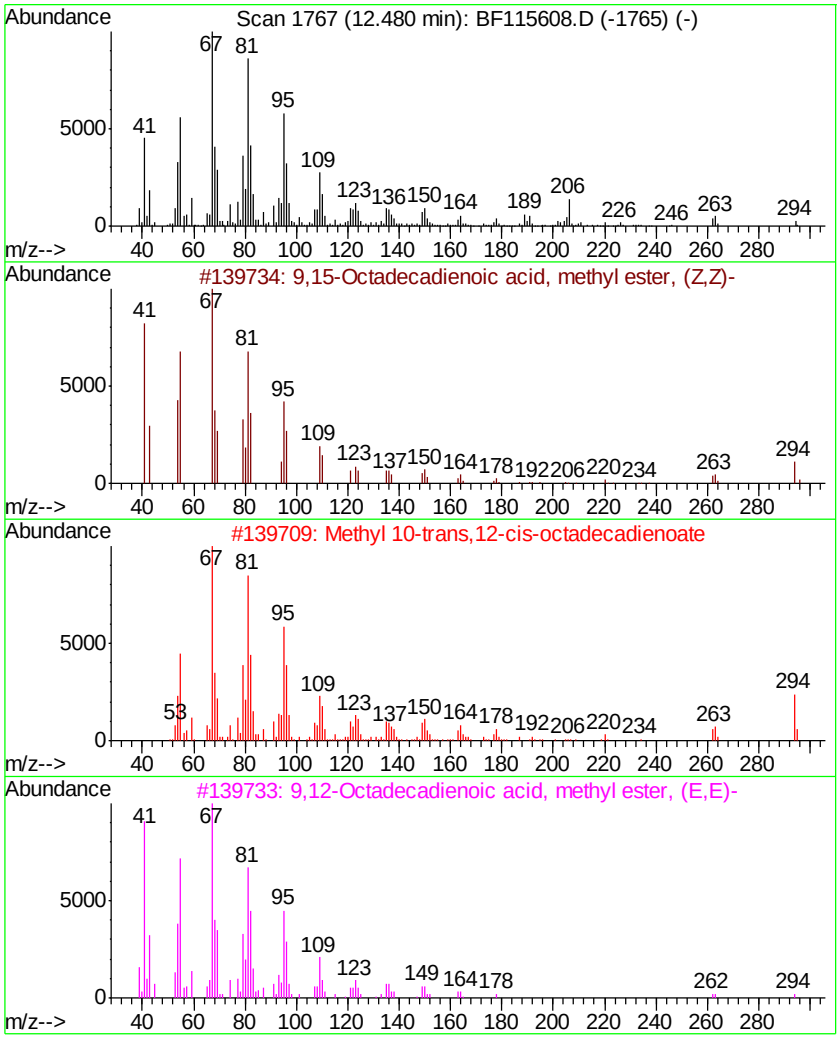
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

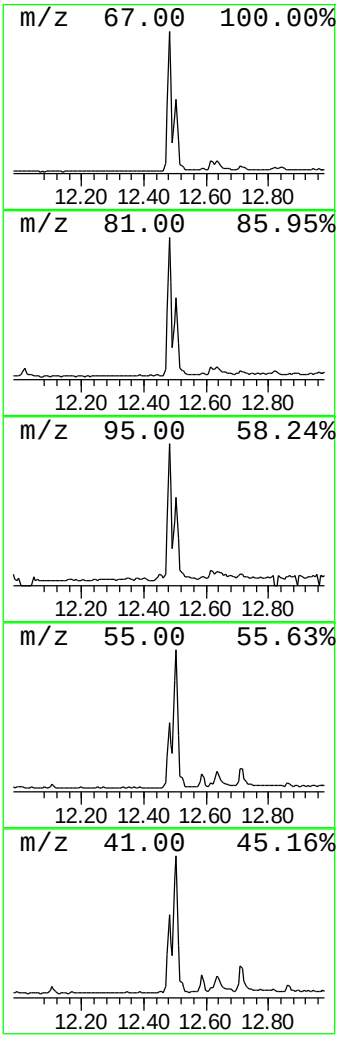
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 9,15-Octadecadienoic acid, ... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	15.89 ng	849689	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
2	Methyl 10-trans,12-cis-octadecad...	294	C19H34O2	1000336-44-2	99
3	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
4	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
5	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	98





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Instrument : BNA_F
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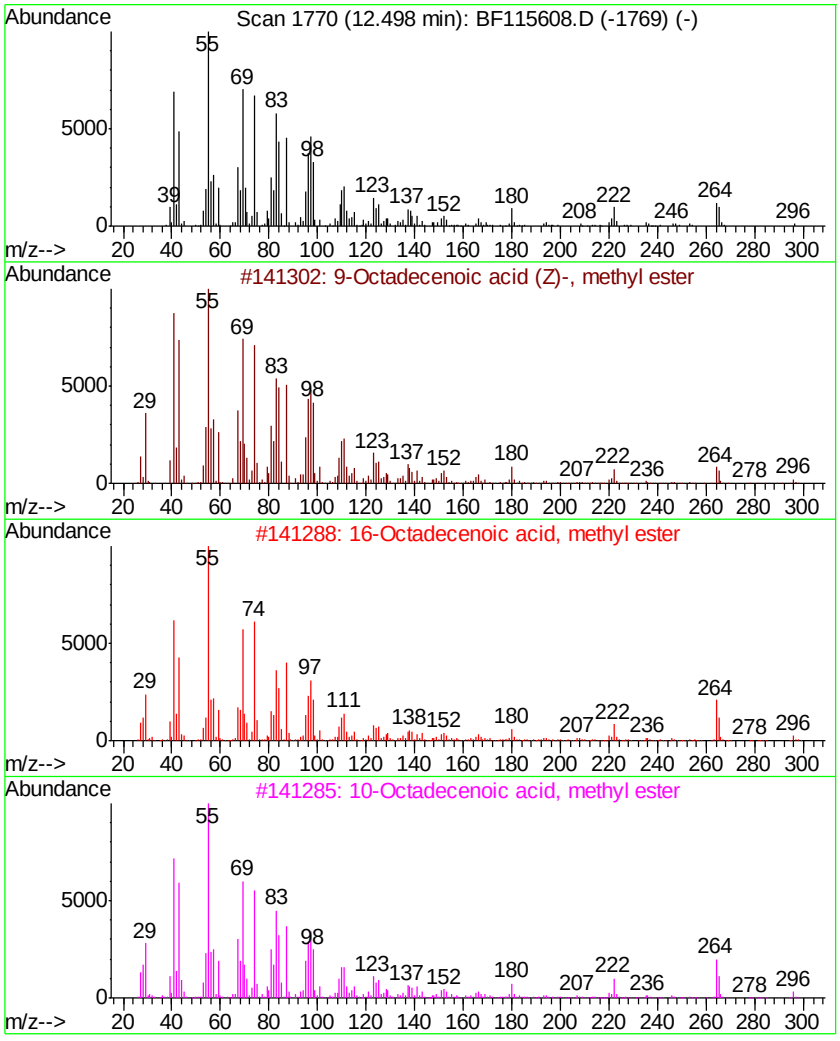
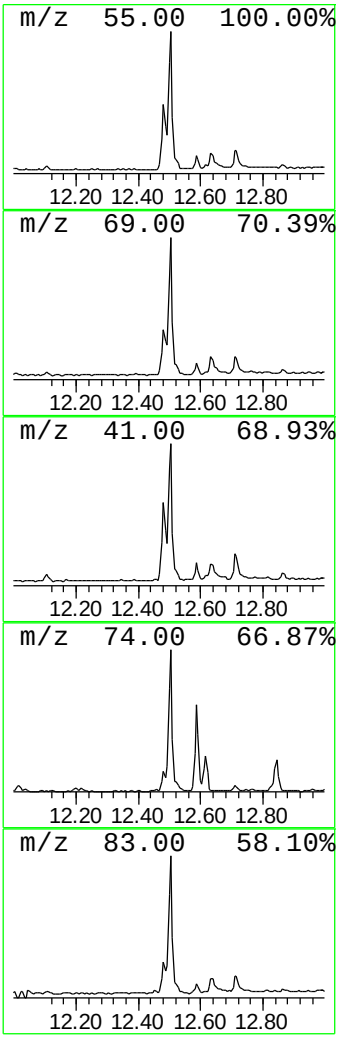
Peak Number 13 9-Octadecenoic acid (Z)-, m... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	21.06 ng	1126260	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	99
2	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	99
3	10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	99
4	11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	99
5	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	99





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Misc :
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Instrument : BNA_F
ClientSampleId : OR-03-071519-A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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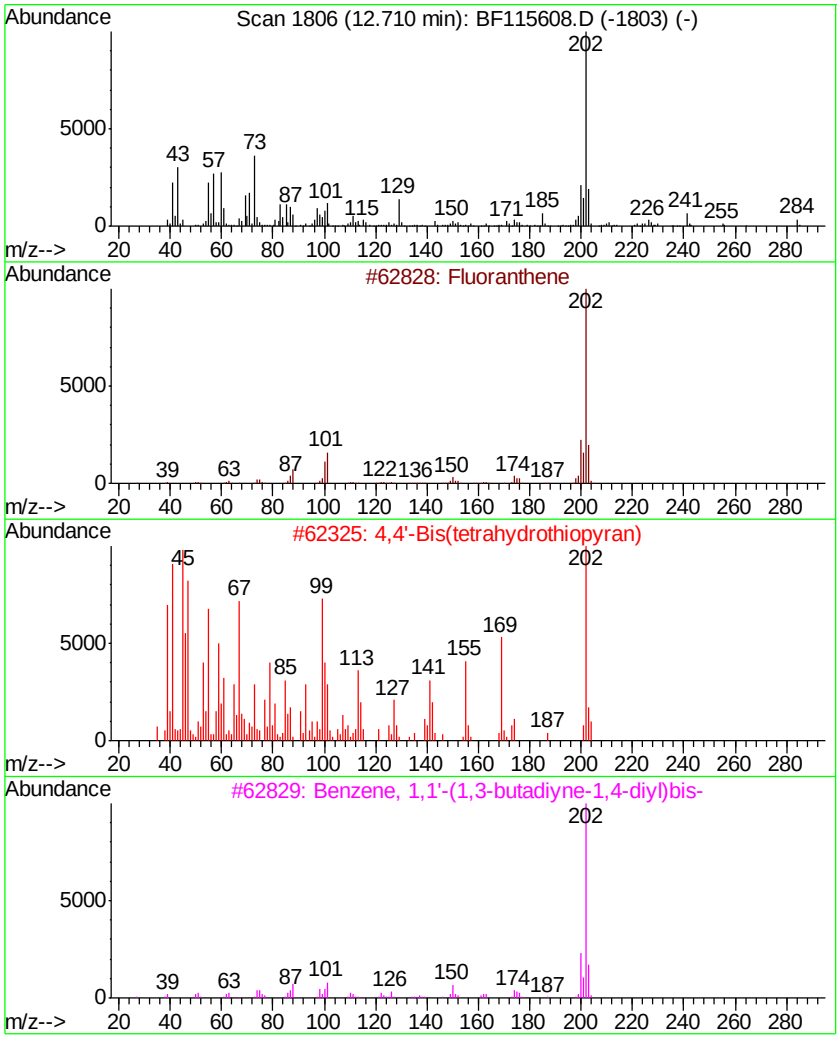
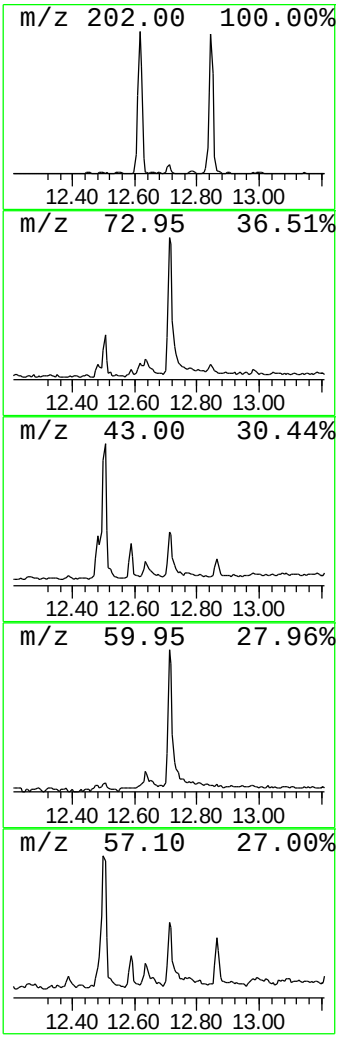
Peak Number 14 4,4'-Bis(tetrahydrothiopyran) Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.71	6.83 ng	365078	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene	202	C16H10	000206-44-0	95
2	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	93
3	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	60
4	Pyrene	202	C16H10	000129-00-0	55
5	1,4-Pentadiyn-3-one, 1,5-diphenyl-	230	C17H10O	015814-30-9	42





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

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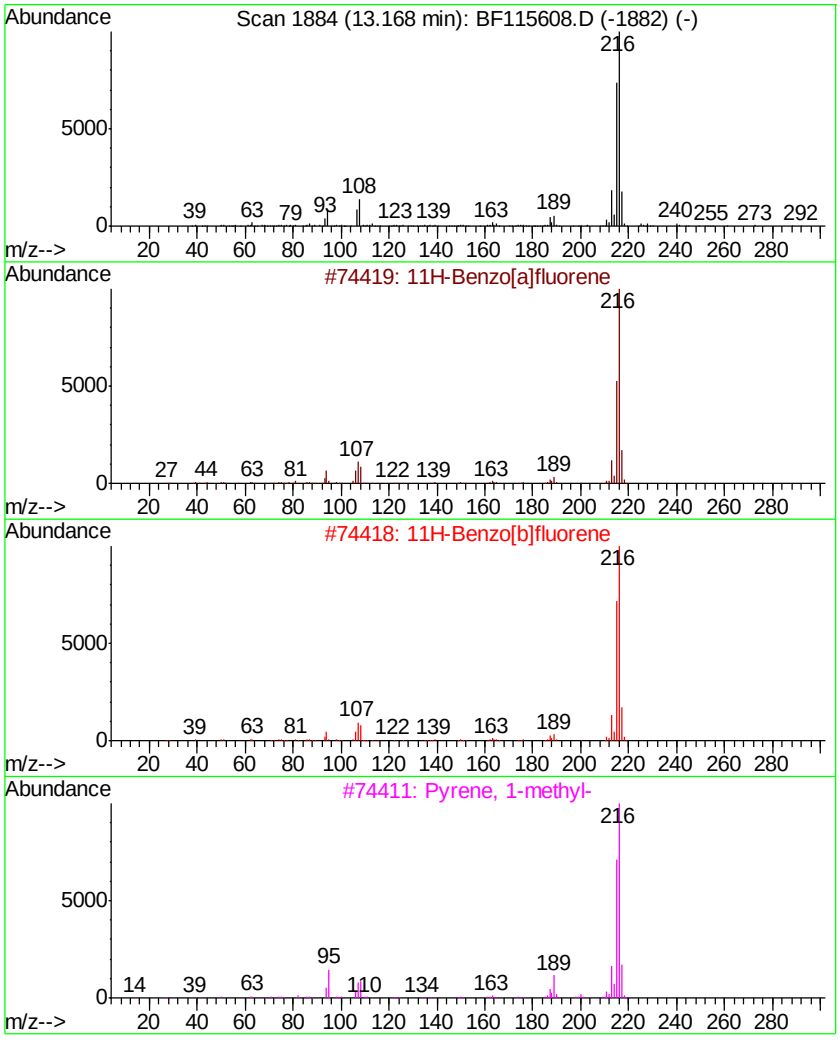
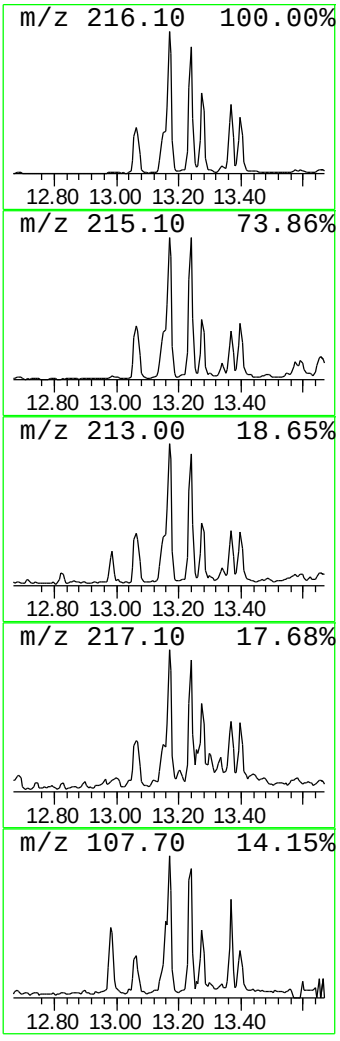
Peak Number 15 11H-Benzo[a]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	3.60 ng	433977	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90





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ClientSampleId : OR-03-071519-A

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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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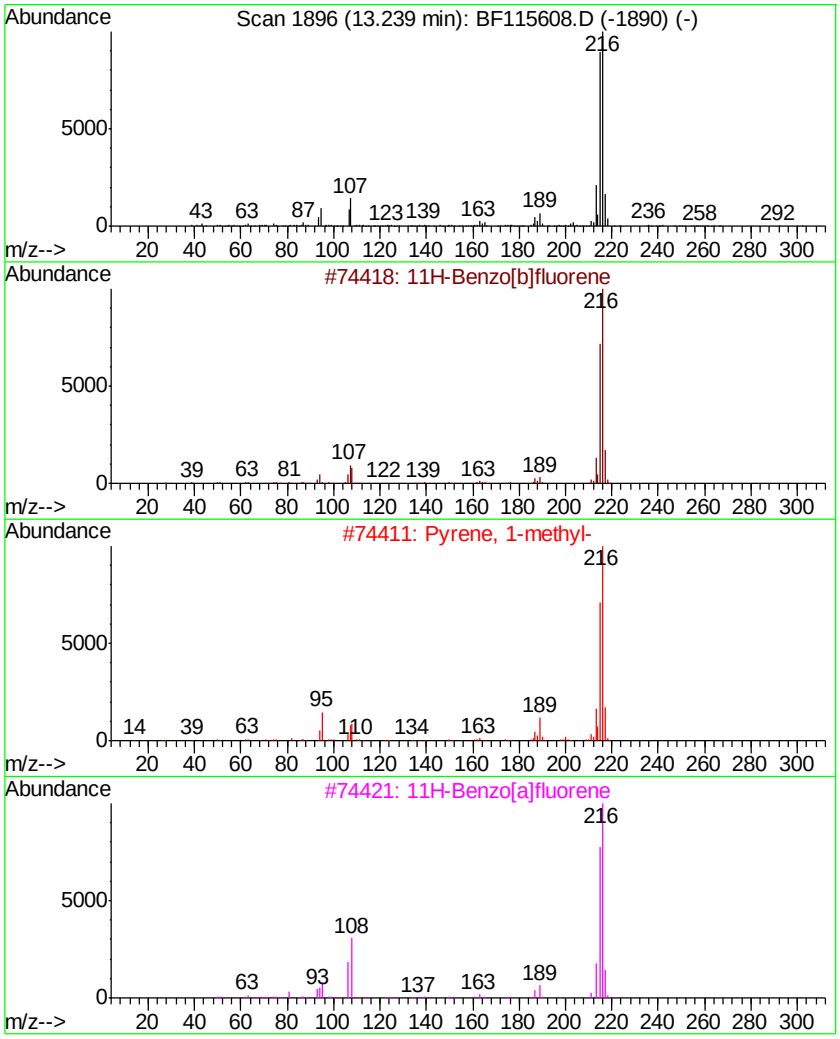
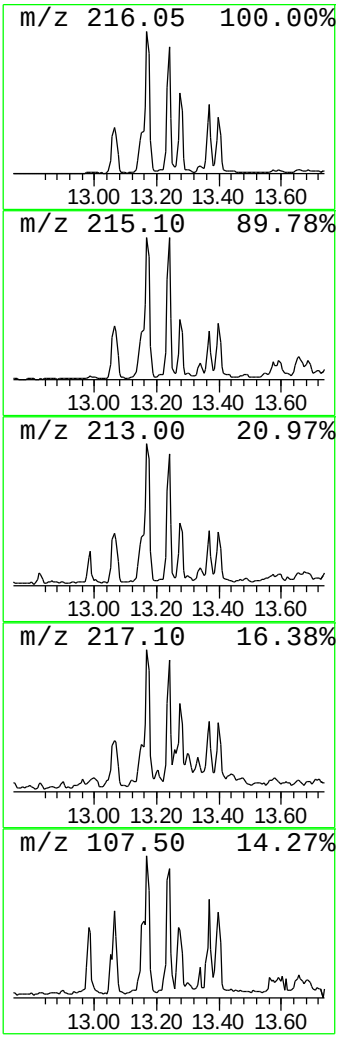
Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.24	3.56 ng	429404	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
5	Benzoic acid, 3-(3,5-dimethyl-1-...	216	C12H12N2O2	312531-88-7	64





Library Search Compound Report

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Data File : BF115608.D
Acq On : 16 Jul 2019 20:11
Operator : HP/JU
Sample : K3622-05 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-071519-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.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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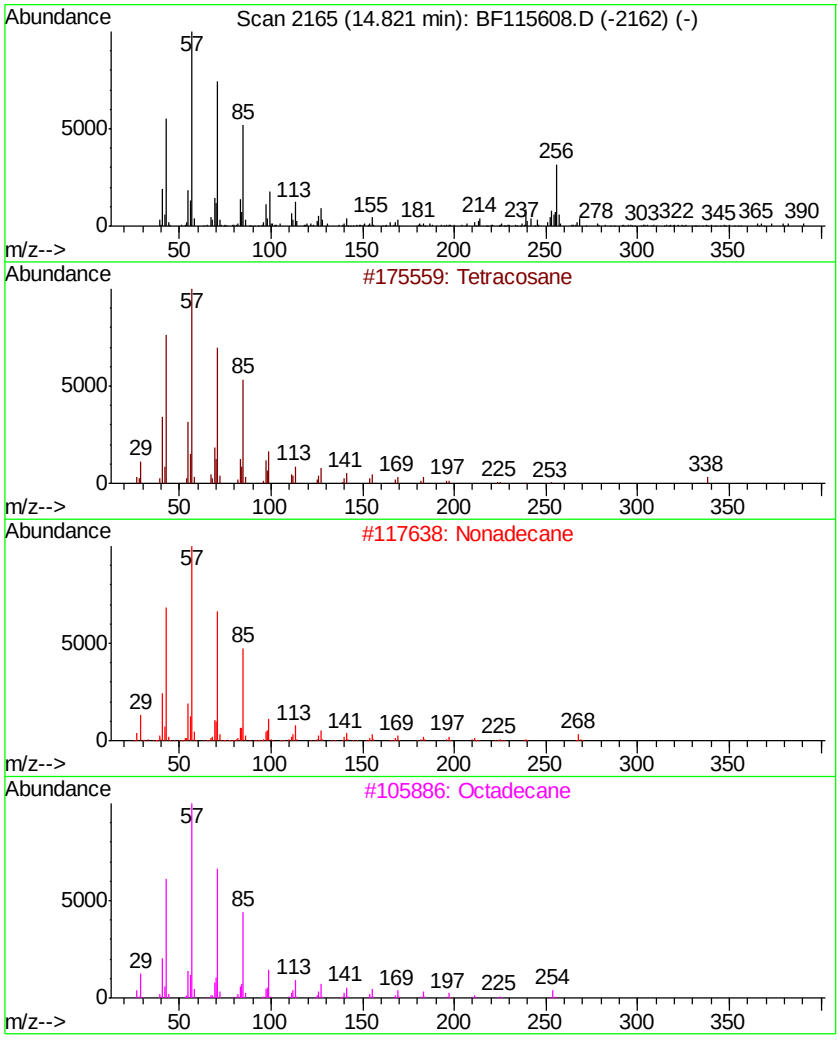
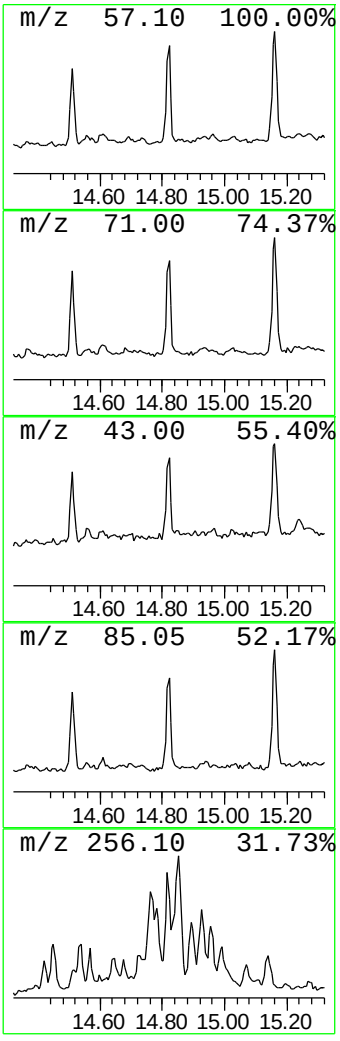
Peak Number 17 Tetracosane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	3.67 ng	183483	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	92
2	Nonadecane	268	C19H40	000629-92-5	89
3	Octadecane	254	C18H38	000593-45-3	80
4	Docosane, 11-butyl-	366	C26H54	013475-76-8	70
5	Heptadecane	240	C17H36	000629-78-7	70





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Sample : K3622-05 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-071519-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
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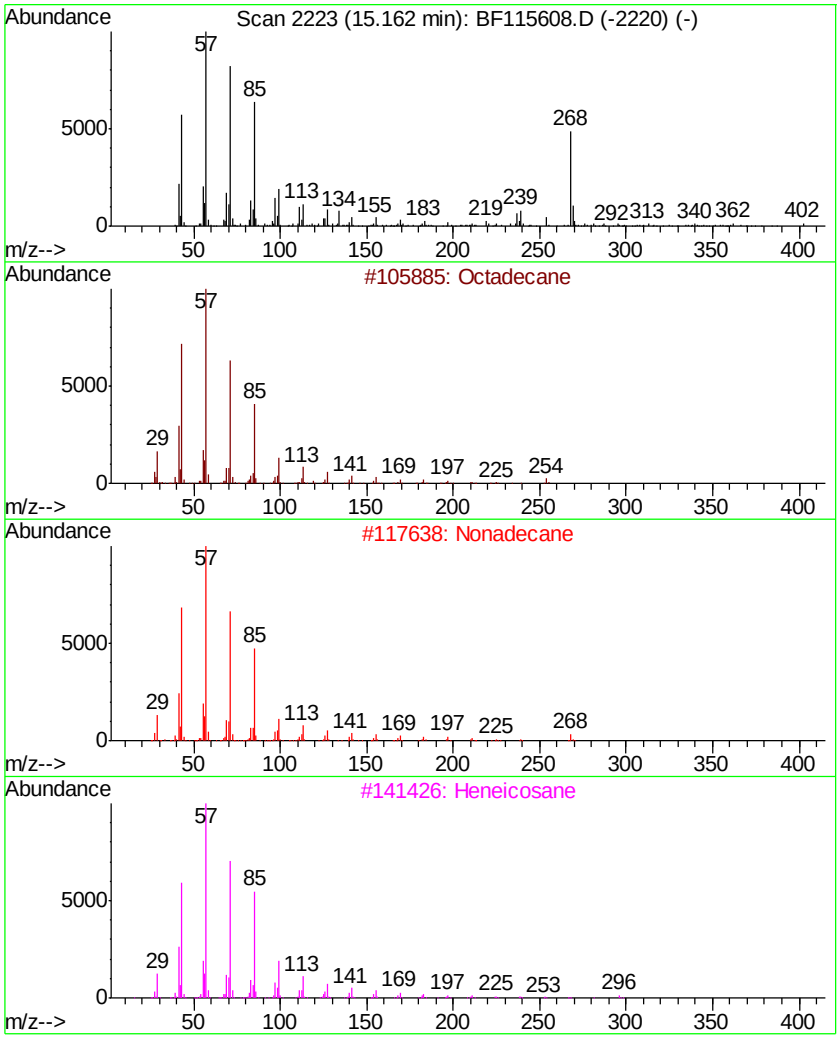
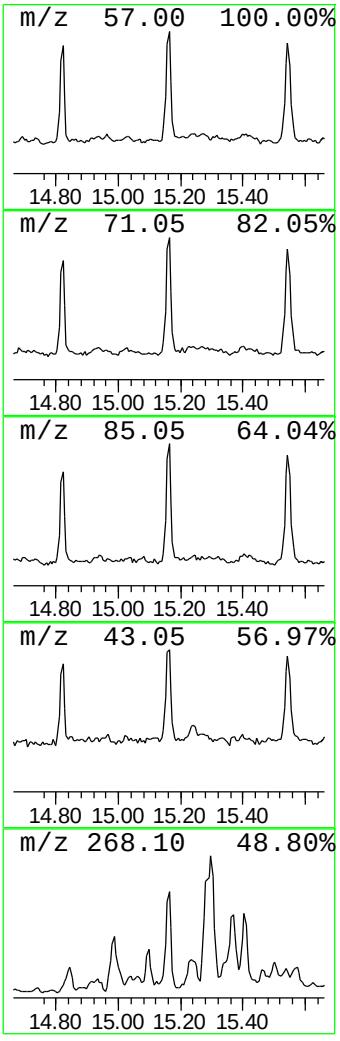
Peak Number 18 Octadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	3.77 ng	188309	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	97
2	Nonadecane	268	C19H40	000629-92-5	68
3	Heneicosane	296	C21H44	000629-94-7	64
4	Tetracosane	338	C24H50	000646-31-1	64
5	Hexacosane	366	C26H54	000630-01-3	64





Library Search Compound Report

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Data File : BF115608.D
Acq On : 16 Jul 2019 20:11
Operator : HP/JU
Sample : K3622-05 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-071519-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P

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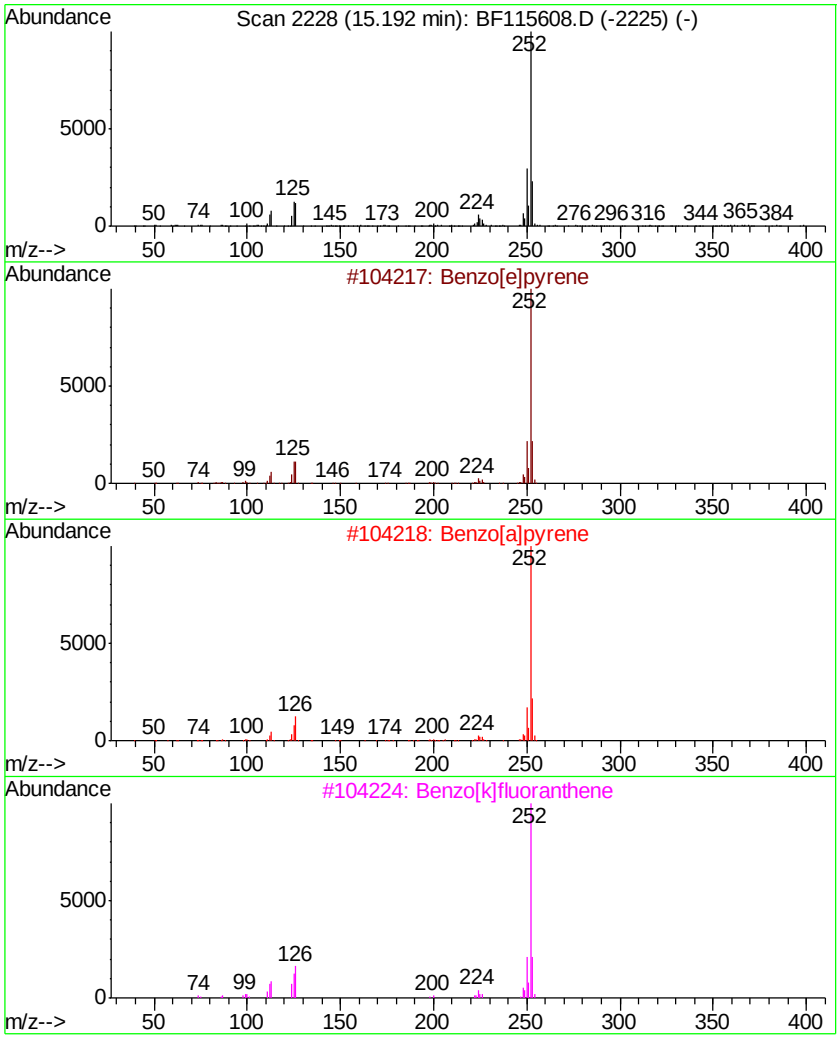
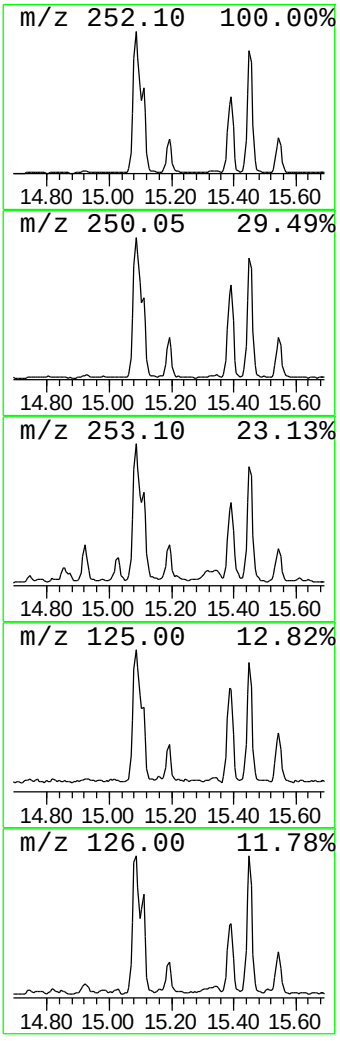
Peak Number 19 Benzo[e]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	5.12 ng	255846	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Perylene	252	C20H12	000198-55-0	74





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Data File : BF115608.D
Acq On : 16 Jul 2019 20:11
Operator : HP/JU
Sample : K3622-05 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-071519-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.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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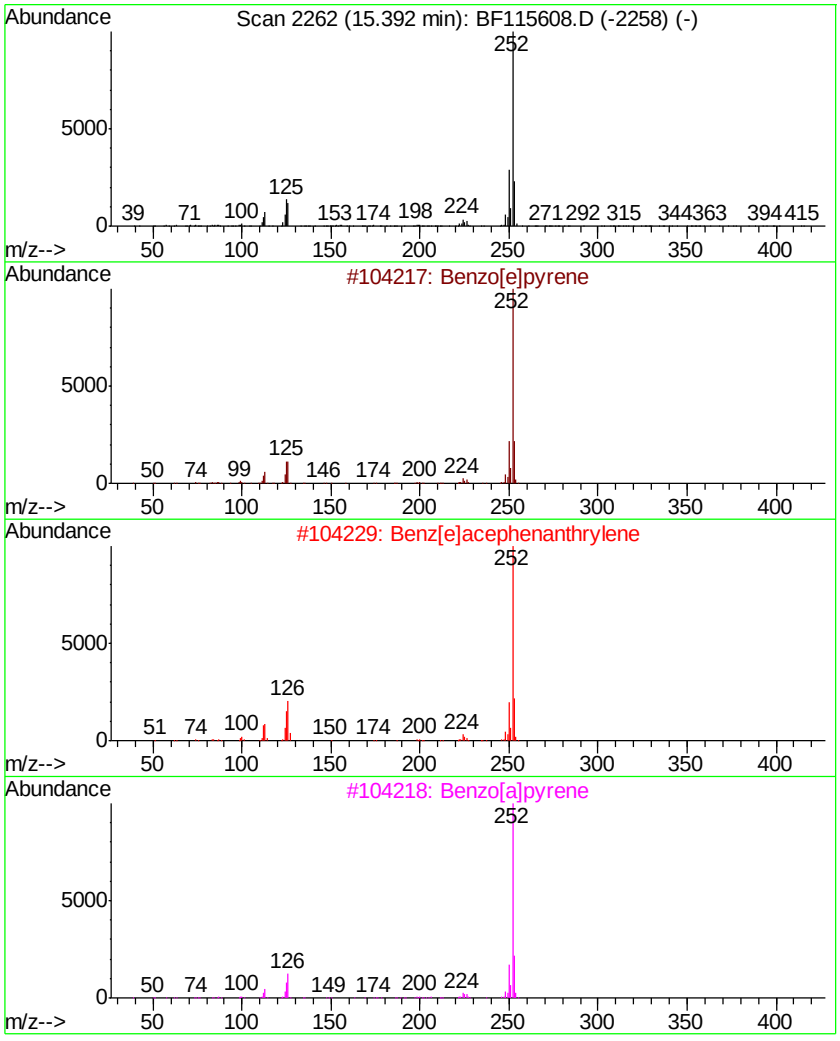
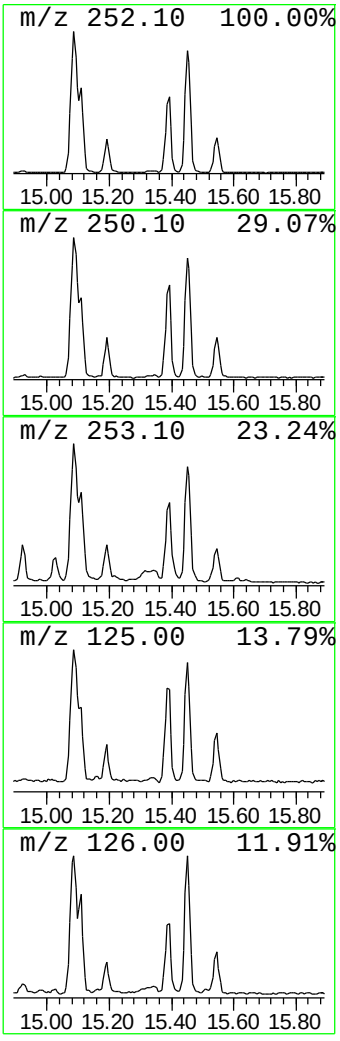
Peak Number 20 Perylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.39	13.85 ng	692473	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Perylene	252	C20H12	000198-55-0	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071619\
Data File : BF115608.D
Acq On : 16 Jul 2019 20:11
Operator : HP/JU
Sample : K3622-05 2X
Misc :
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Instrument : BNA_F
ClientSampleId : OR-03-071519-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	2.15	10.0	ng	467492	1	6.88	932279	20.0
1,3,5-Cycloheptat...	3.97	17.8	ng	831540	1	6.88	932279	20.0
unknown6.65	6.65	29.1	ng	1358840	1	6.88	932279	20.0
Hexadecanoic acid...	11.80	6.1	ng	327159	4	11.40	1069760	20.0
Phenanthrene, 2-m...	11.90	4.4	ng	235772	4	11.40	1069760	20.0
Phenanthrene, 1-m...	11.93	11.5	ng	615015	4	11.40	1069760	20.0
4H-Cyclopenta[def...	12.02	10.3	ng	548751	4	11.40	1069760	20.0
1H-Cyclopropa[l]p...	12.04	3.3	ng	175852	4	11.40	1069760	20.0
Naphthalene, 2-ph...	12.20	2.9	ng	155208	4	11.40	1069760	20.0
9,10-Dimethylanth...	12.45	4.4	ng	236421	4	11.40	1069760	20.0
9,15-Octadecadien...	12.48	15.9	ng	849689	4	11.40	1069760	20.0
9-Octadecenoic ac...	12.50	21.1	ng	1126260	4	11.40	1069760	20.0
4,4'-Bis(tetrahyd...	12.71	6.8	ng	365078	4	11.40	1069760	20.0
11H-Benzo[a]fluorene	13.17	3.6	ng	433977	5	14.04	2411870	20.0
11H-Benzo[b]fluorene	13.24	3.6	ng	429404	5	14.04	2411870	20.0
Tetracosane	14.82	3.7	ng	183483	6	15.52	1000030	20.0
Octadecane	15.16	3.8	ng	188309	6	15.52	1000030	20.0
Benzo[e]pyrene	15.19	5.1	ng	255846	6	15.52	1000030	20.0
Perylene	15.39	13.9	ng	692473	6	15.52	1000030	20.0