LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
Data File : BF115682.D
Acq On : 19 Jul 2019 20:01
Operator : HP/JU
Sample : K3868-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

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	2.234	16	25	37	rVB	901212	1251930	23.56%	1.737%
2	5.510	577	582	585	rBV	3671573	4003209	75.33%	5.553%
3	6.516	747	753	756	rBV	3700942	4332132	81.52%	6.009%
4	6.657	771	777	780	rBV	3900854	4374172	82.31%	6.068%
5	6.710	783	786	799	rVB	70176	110488	2.08%	0.153%
6	6.881	811	815	818	rBV	1635427	1328240	24.99%	1.842%
7	7.040	837	842	845	rBV	3801975	3485479	65.59%	4.835%
8	7.439	904	910	913	rBV	2670712	2887544	54.34%	4.005%
9	8.163	1028	1033	1036	rBV	2059588	1757962	33.08%	2.439%
10	9.239	1210	1216	1219	rBV	5221998	5314108	100.00%	7.372%
11	9.628	1276	1282	1287	rBV	1018538	850131	16.00%	1.179%
12	9.781	1302	1308	1312	rBV	99194	118951	2.24%	0.165%
13	9.922	1323	1332	1335	rBV	2151029	2052273	38.62%	2.847%
14	9.951	1335	1337	1340	rVB2	91971	82827	1.56%	0.115%
15	10.122	1362	1366	1369	rBV3	57431	69138	1.30%	0.096%
16	10.163	1369	1373	1379	rVB5	43214	65530	1.23%	0.091%
17	10.463	1421	1424	1430	rVB	104634	112194	2.11%	0.156%
18	10.622	1448	1451	1460	rVB6	61993	89080	1.68%	0.124%
19	10.710	1460	1466	1469	rBV	3022705	2977501	56.03%	4.130%
20	10.757	1471	1474	1480	rVB3	41396	78568	1.48%	0.109%
21	10.833	1482	1487	1491	rVB4	88000	138981	2.62%	0.193%
22	11.016	1510	1518	1520	rBV4	80403	119635	2.25%	0.166%
23	11.210	1547	1551	1553	rBV	70682	66943	1.26%	0.093%
24	11.298	1564	1566	1571	rVB	171733	157034	2.96%	0.218%
25	11.357	1572	1576	1580	rBV4	41802	64879	1.22%	0.090%
26	11.404	1580	1584	1586	rVV	2052166	1842853	34.68%	2.556%
27	11.427	1586	1588	1592	rVV	2044380	1654702	31.14%	2.295%
28	11.480	1592	1597	1600	rVB	255018	278063	5.23%	0.386%
29	11.510	1600	1602	1606	rVB3	50616	56139	1.06%	0.078%
30	11.627	1618	1622	1625	rBV2	121041	145443	2.74%	0.202%
31	11.698	1630	1634	1637	rVB2	153315	135384	2.55%	0.188%
32	11.733	1637	1640	1645	rBV	139137	140282	2.64%	0.195%
33	11.816	1652	1654	1657	rVB	65209	65112	1.23%	0.090%
34	11.904	1665	1669	1671	rBV	344784	328528	6.18%	0.456%

LSC Area Percent Report

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Operator : HP/JU
Sample : K3868-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

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	11.933	1671	1674	1677	rVB2	818550	740755	13.94%	1.028%
36	12.016	1685	1688	1691	rBV	551285	600714	11.30%	0.833%
37	12.039	1691	1692	1697	rVB	252217	171330	3.22%	0.238%
38	12.198	1716	1719	1721	rBV	287822	233027	4.39%	0.323%
39	12.222	1721	1723	1730	rVB2	346126	326670	6.15%	0.453%
40	12.351	1743	1745	1747	rVB	81932	60436	1.14%	0.084%
41	12.380	1747	1750	1752	rBV	92219	81149	1.53%	0.113%
42	12.457	1760	1763	1766	rBV	232661	233514	4.39%	0.324%
43	12.492	1766	1769	1771	rVV2	152150	154706	2.91%	0.215%
44	12.539	1775	1777	1782	rBV2	169550	186214	3.50%	0.258%
45	12.622	1787	1791	1794	rVB	3230963	2950254	55.52%	4.092%
46	12.663	1794	1798	1800	rBV	60534	55725	1.05%	0.077%
47	12.710	1804	1806	1809	rBV2	160012	152947	2.88%	0.212%
48	12.769	1814	1816	1820	rVV	165710	167555	3.15%	0.232%
49	12.851	1824	1830	1833	rBV	3011510	3197028	60.16%	4.435%
50	12.892	1835	1837	1842	rVB2	118169	143318	2.70%	0.199%
51	12.992	1846	1854	1857	rBV	4435333	4296598	80.85%	5.960%
52	13.069	1861	1867	1870	rBV2	224615	340462	6.41%	0.472%
53	13.151	1878	1881	1883	rVV2	176475	213901	4.03%	0.297%
54	13.174	1883	1885	1888	rVB	451781	368875	6.94%	0.512%
55	13.221	1888	1893	1894	rBV2	85678	97893	1.84%	0.136%
56	13.239	1894	1896	1899	rVV	269954	225071	4.24%	0.312%
57	13.280	1899	1903	1906	rVV2	315432	332285	6.25%	0.461%
58	13.339	1910	1913	1916	rBV2	48044	53255	1.00%	0.074%
59	13.374	1916	1919	1921	rVB	175612	154651	2.91%	0.215%
60	13.404	1921	1924	1927	rBV	189510	178432	3.36%	0.248%
61	13.563	1945	1951	1952	rBV5	114651	164175	3.09%	0.228%
62	13.680	1968	1971	1976	rVB	242289	260784	4.91%	0.362%
63	13.792	1985	1990	1993	rBV3	351740	422388	7.95%	0.586%
64	13.821	1993	1995	1997	rVV	227366	172924	3.25%	0.240%
65	13.845	1997	1999	2003	rVV2	196310	189300	3.56%	0.263%
66	13.886	2003	2006	2009	rVB2	296122	278173	5.23%	0.386%
67	13.933	2009	2014	2017	rBV	167044	310544	5.84%	0.431%
68	14.045	2027	2033	2036	rBV3	1716333	2719204	51.17%	3.772%
69	14.074	2036	2038	2043	rVV	1264045	1077370	20.27%	1.494%
70	14.151	2049	2051	2055	rVV	189531	158575	2.98%	0.220%
71	14.186	2055	2057	2058	rVV	81325	73001	1.37%	0.101%

LSC Area Percent Report

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Operator : HP/JU
Sample : K3868-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

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

72	14.204	2058	2060	2063	rVV	219313	222060	4.18%	0.308%
73	14.263	2067	2070	2074	rBV2	127399	153615	2.89%	0.213%
74	14.298	2074	2076	2082	rVB3	94588	118788	2.24%	0.165%
75	14.433	2094	2099	2101	rVV	231330	293143	5.52%	0.407%
76	14.468	2101	2105	2108	rVV3	174354	212249	3.99%	0.294%
77	14.510	2108	2112	2117	rVV5	326272	442446	8.33%	0.614%
78	14.557	2117	2120	2122	rVV	163905	188525	3.55%	0.262%
79	14.574	2122	2123	2127	rVV2	164134	138400	2.60%	0.192%
80	14.627	2127	2132	2136	rVB3	99983	150454	2.83%	0.209%
81	14.821	2161	2165	2168	rBV	330034	307187	5.78%	0.426%
82	14.898	2175	2178	2181	rBV	89782	113182	2.13%	0.157%
83	15.092	2206	2211	2214	rBV	984993	1522457	28.65%	2.112%
84	15.163	2219	2223	2226	rVV2	369486	452248	8.51%	0.627%
85	15.198	2226	2229	2234	rVB	154064	158413	2.98%	0.220%
86	15.292	2241	2245	2250	rBV3	64461	144344	2.72%	0.200%
87	15.398	2258	2263	2269	rVB	639697	800546	15.06%	1.110%
88	15.457	2269	2273	2279	rBV	783976	975072	18.35%	1.353%
89	15.521	2279	2284	2287	rVV	794848	1107473	20.84%	1.536%
90	15.551	2287	2289	2296	rVB3	415728	485202	9.13%	0.673%
91	15.986	2359	2363	2370	rVB	167940	259315	4.88%	0.360%
92	16.092	2377	2381	2387	rVB2	61871	94572	1.78%	0.131%
93	16.498	2446	2450	2456	rBV	98439	161268	3.03%	0.224%
94	16.998	2529	2535	2545	rVB2	349826	728552	13.71%	1.011%
95	17.174	2562	2565	2570	rVB2	48421	69259	1.30%	0.096%
96	17.451	2605	2612	2625	rVB	277899	633119	11.91%	0.878%
97	17.680	2649	2651	2658	rVB	52263	79271	1.49%	0.110%

Sum of corrected areas: 72089798

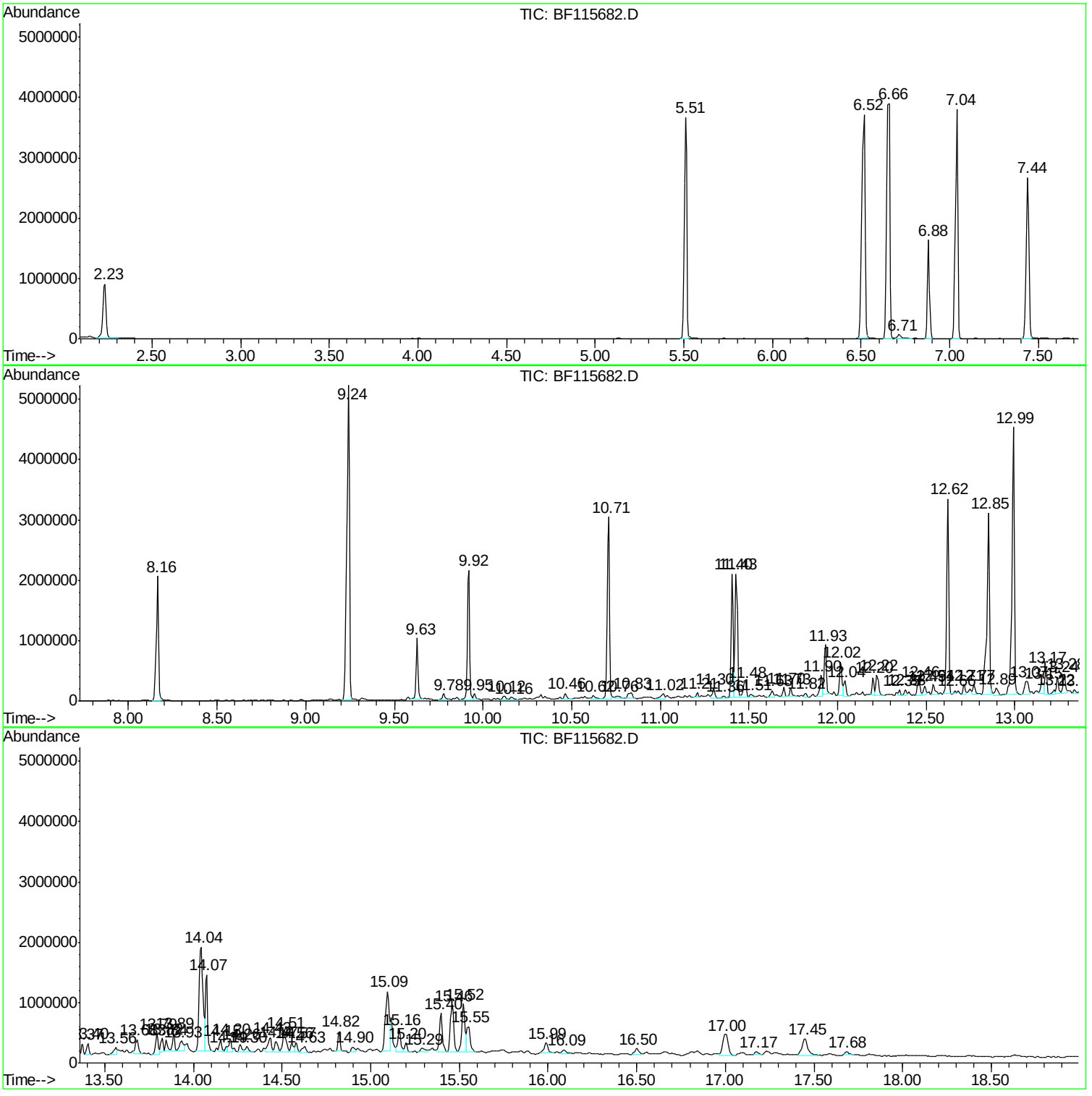
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
Data File : BF115682.D
Acq On : 19 Jul 2019 20:01
Operator : HP/JU
Sample : K3868-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

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\BF071919\
Data File : BF115682.D
Acq On : 19 Jul 2019 20:01
Operator : HP/JU
Sample : K3868-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

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

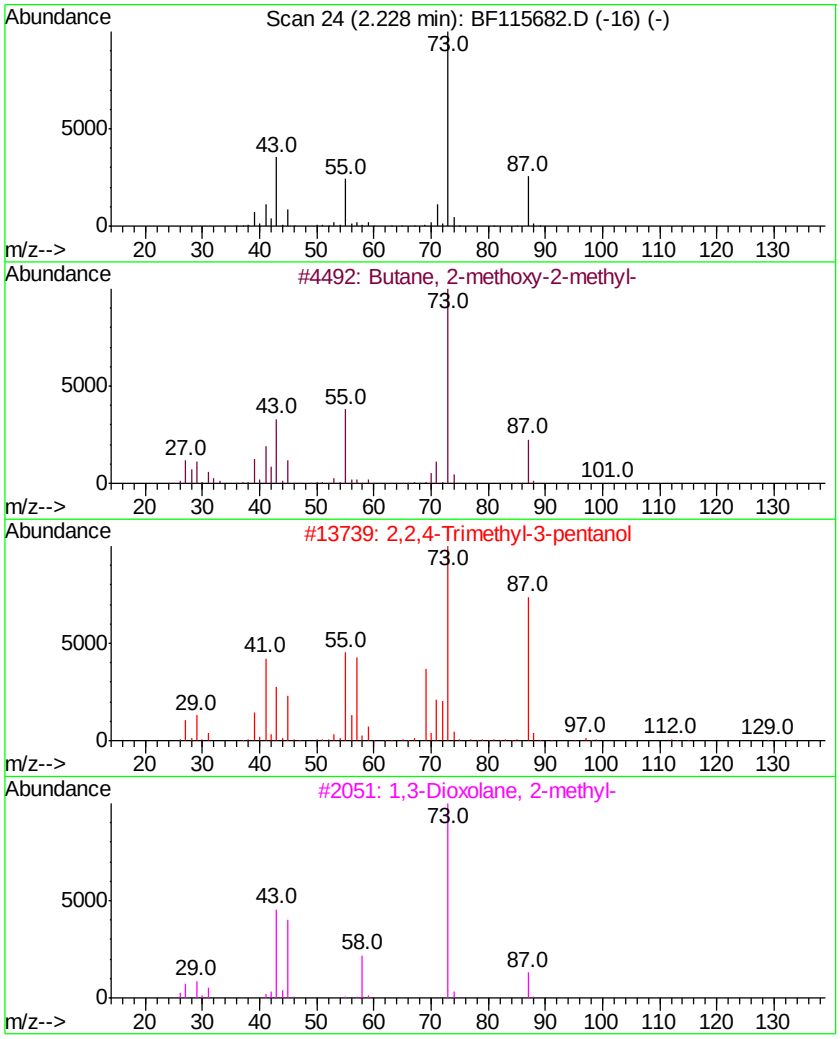
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

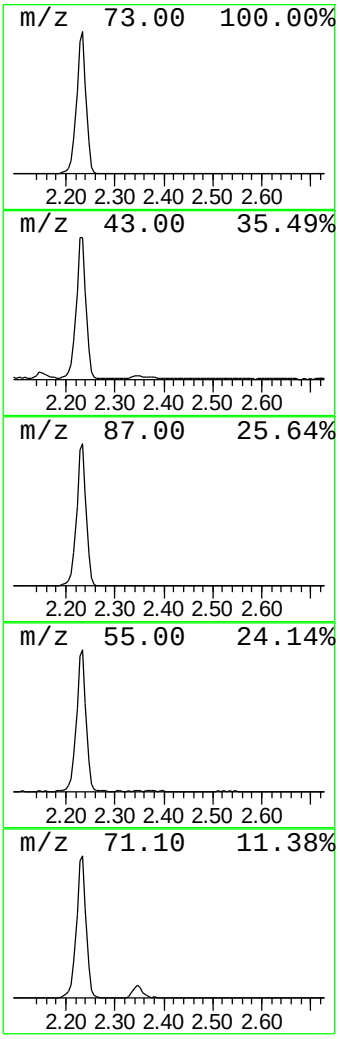
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.23	18.85 ng	1251930	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	37
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
Data File : BF115682.D
Acq On : 19 Jul 2019 20:01
Operator : HP/JU
Sample : K3868-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

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

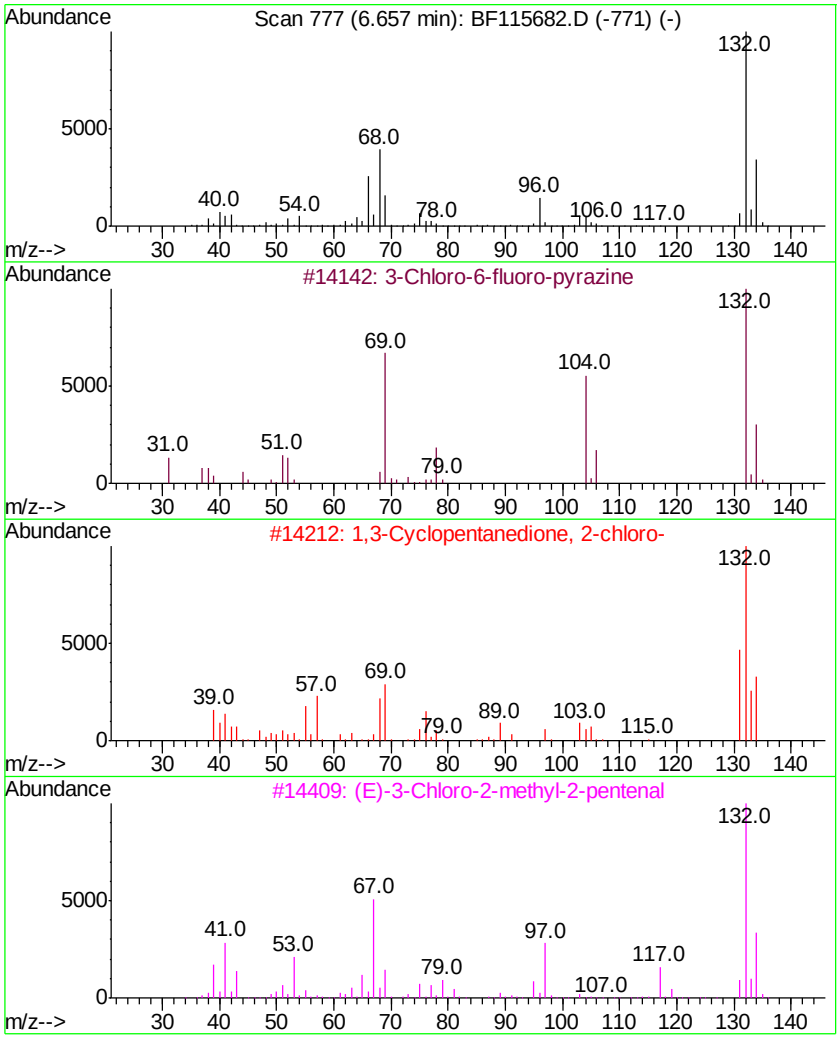
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

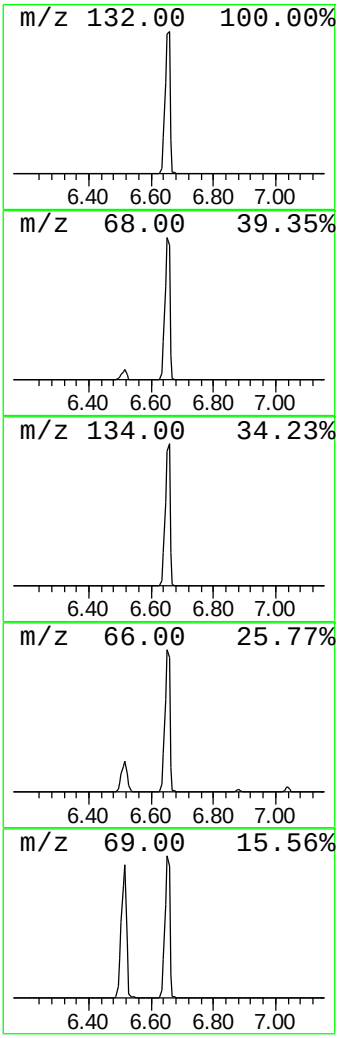
****

Peak Number 2 unknown6.66 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	65.86 ng	4374170	1,4-Dichlorobenzene-d4	6.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	23
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
5	Xenon	132	Xe	007440-63-3	9





Library Search Compound Report

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Misc :
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Instrument : BNA_F
ClientSampleId : TP-2

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

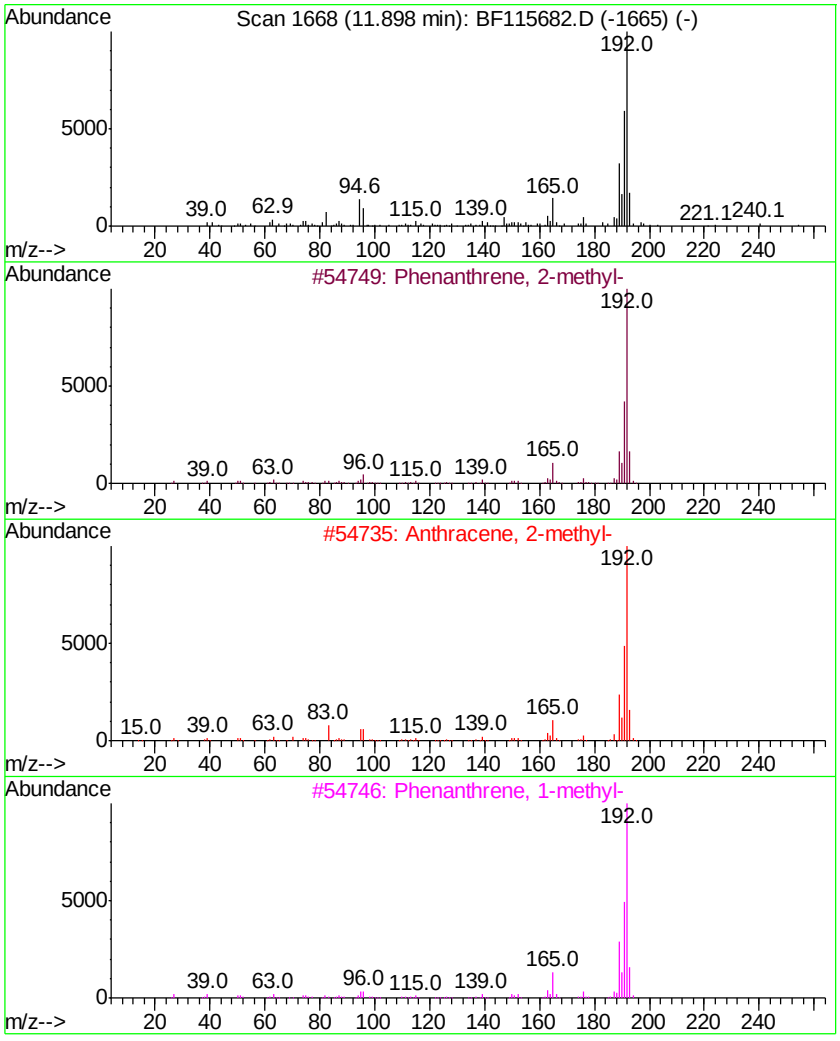
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

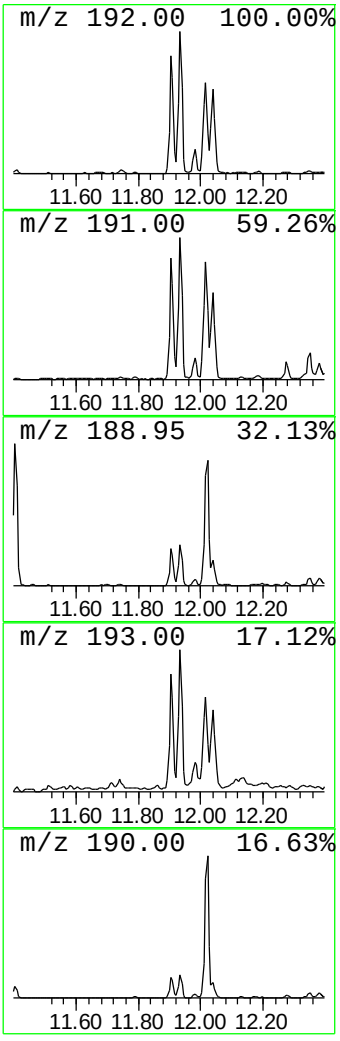
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	3.57 ng	328528	Phenanthrene-d10	11.40

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	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
Data File : BF115682.D
Acq On : 19 Jul 2019 20:01
Operator : HP/JU
Sample : K3868-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

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

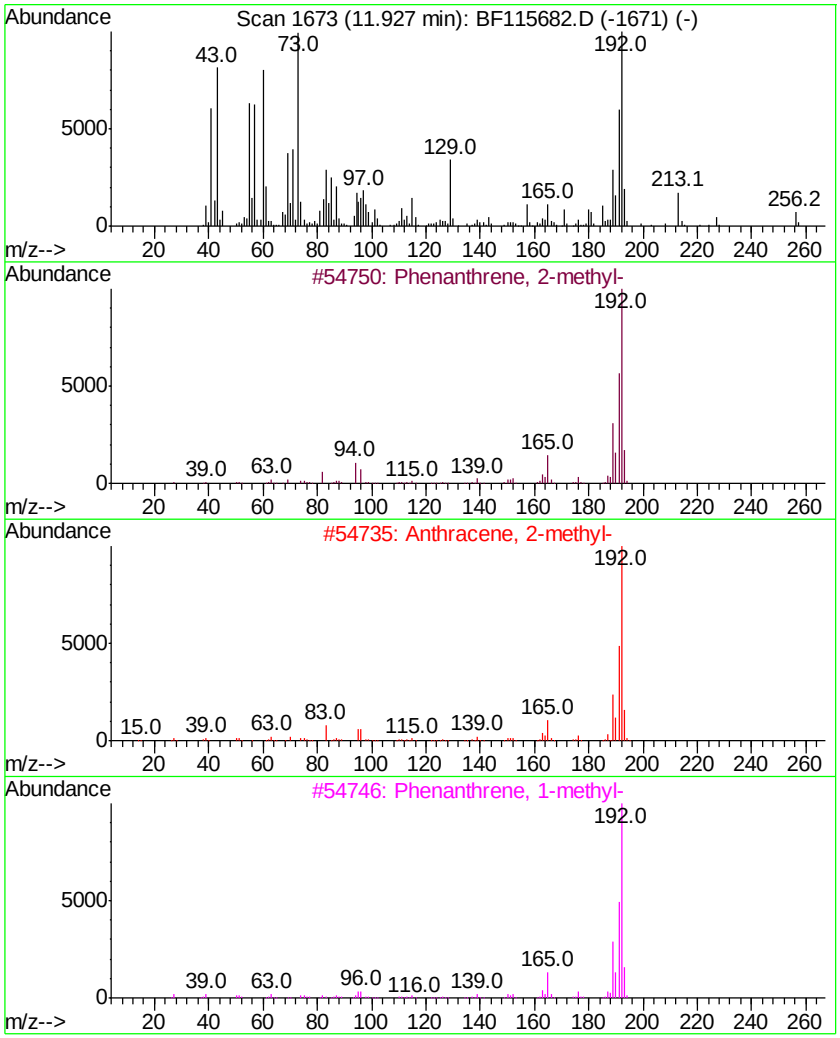
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

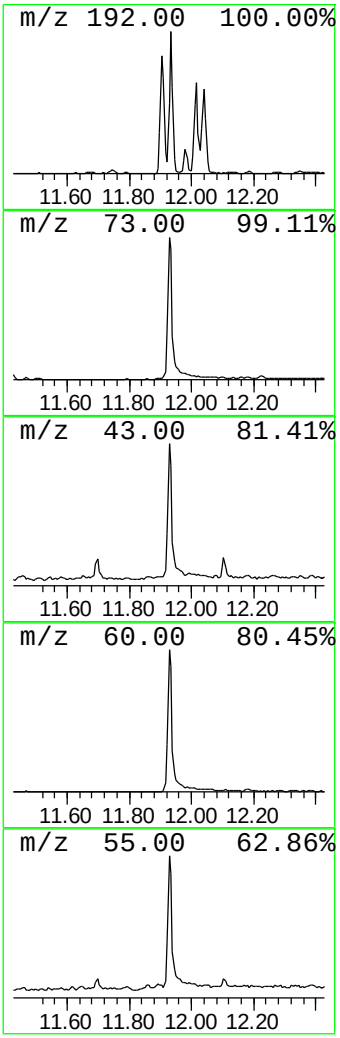
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	8.04 ng	740755	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
Data File : BF115682.D
Acq On : 19 Jul 2019 20:01
Operator : HP/JU
Sample : K3868-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

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

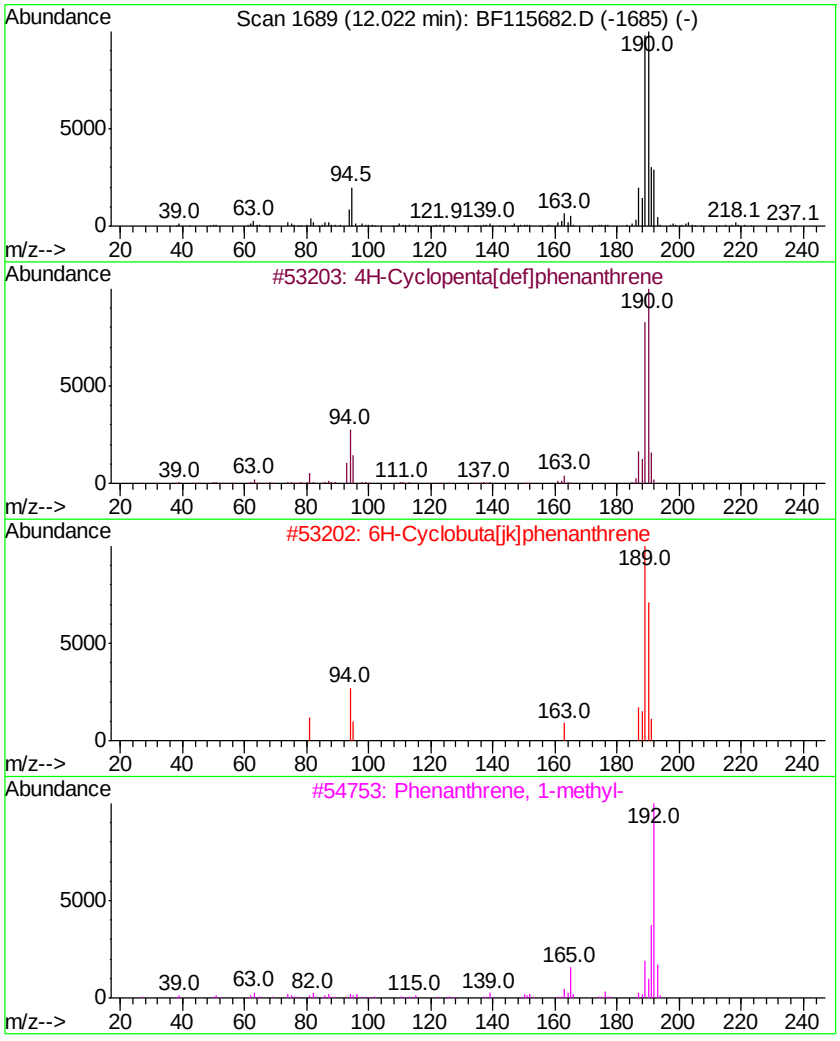
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

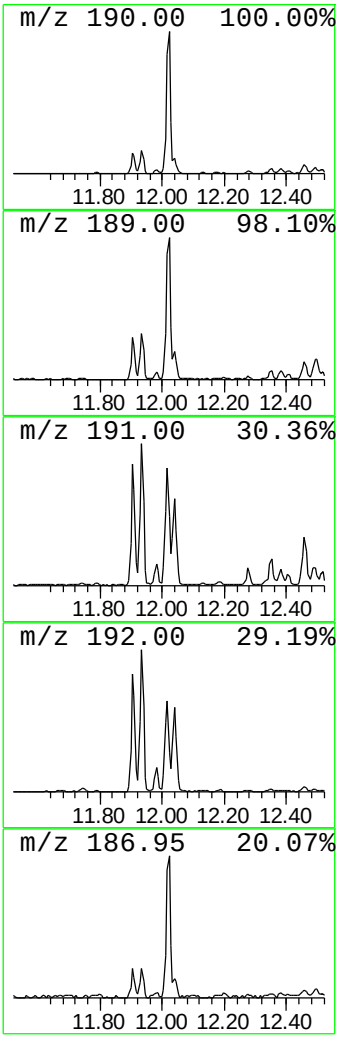
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	6.52 ng	600714	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	52
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	38
4	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	38
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	38





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Operator : HP/JU
Sample : K3868-07
Misc :
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Instrument : BNA_F
ClientSampleId : TP-2

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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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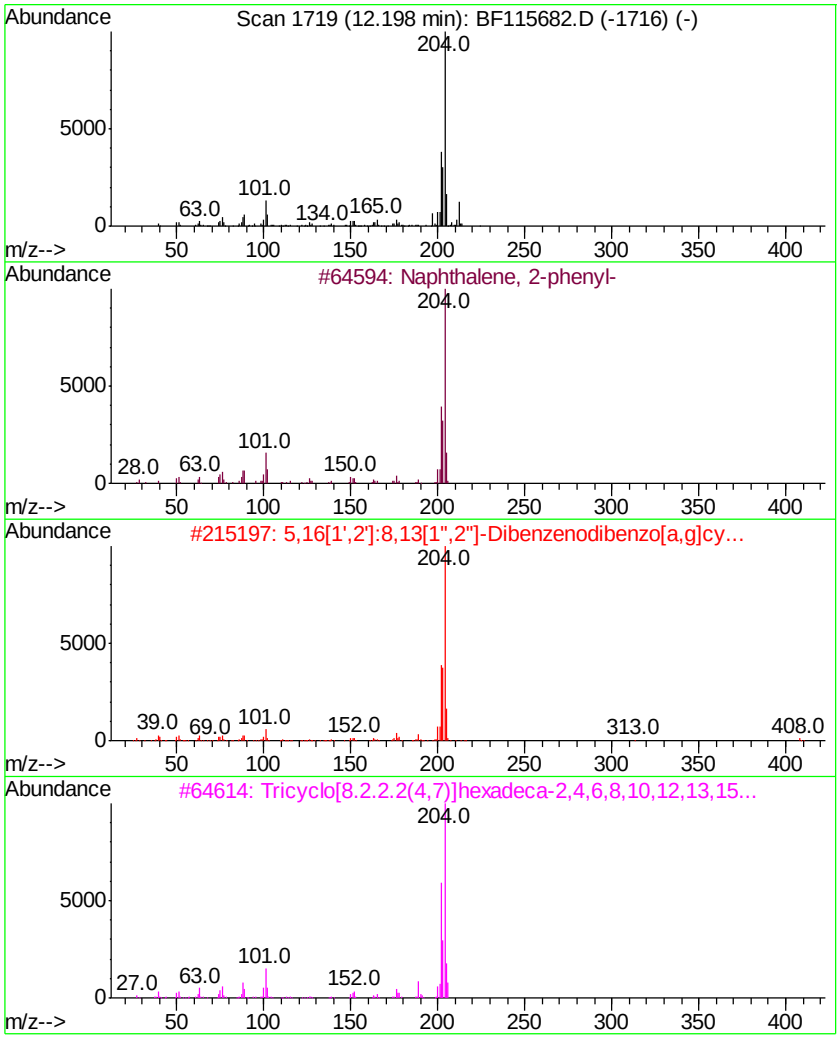
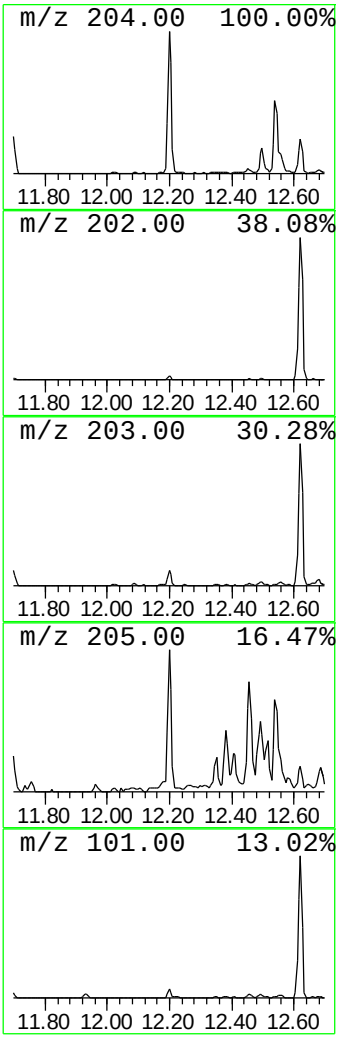
Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	2.53 ng	233027	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
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	64
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	50





Library Search Compound Report

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Operator : HP/JU
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Misc :
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Instrument : BNA_F
ClientSampleId : TP-2

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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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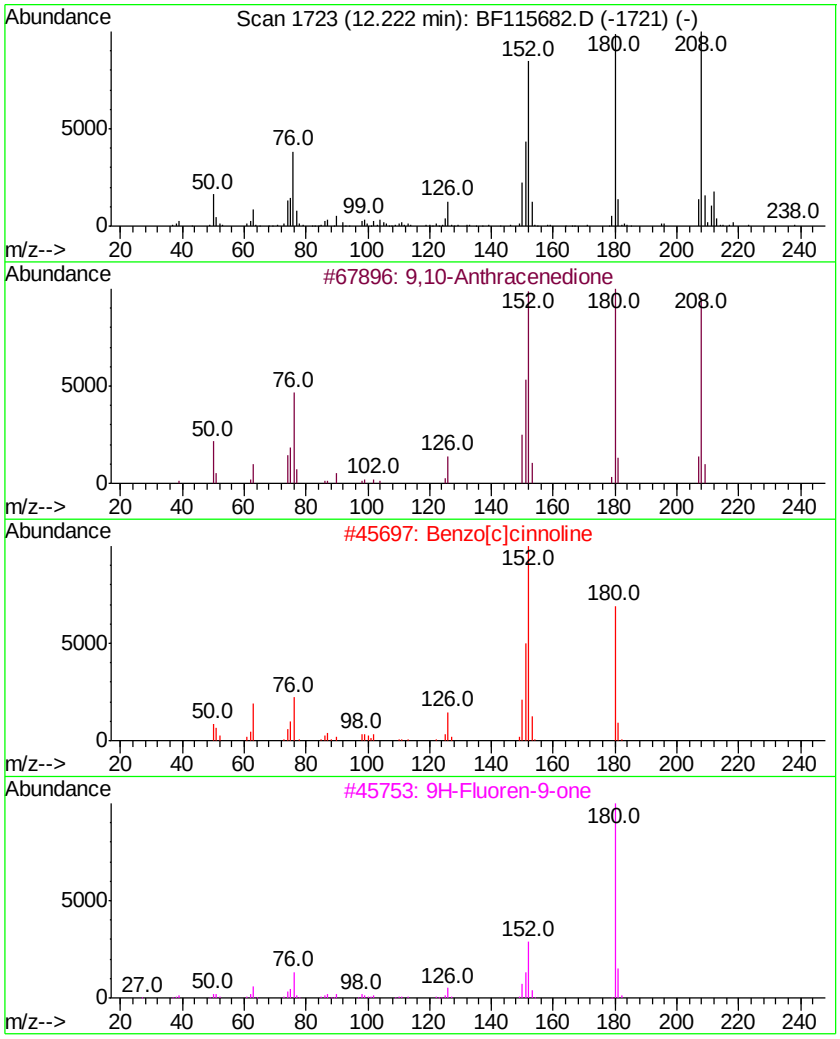
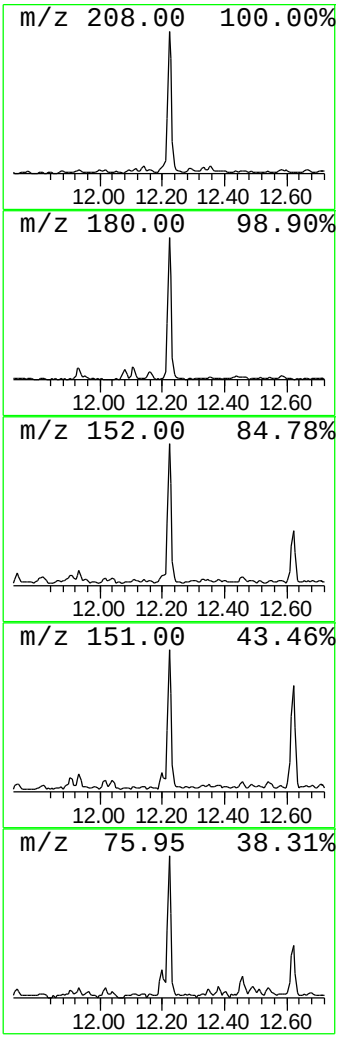
Peak Number 8 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	3.55 ng	326670	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	58
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	55
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	50





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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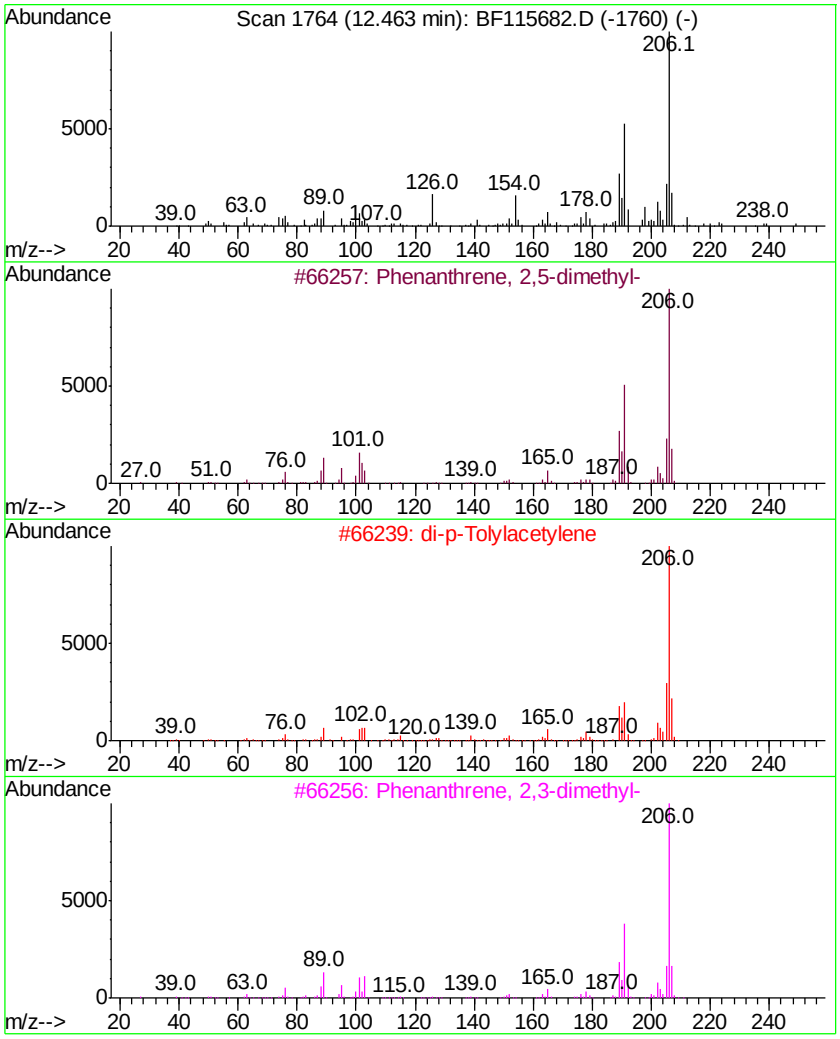
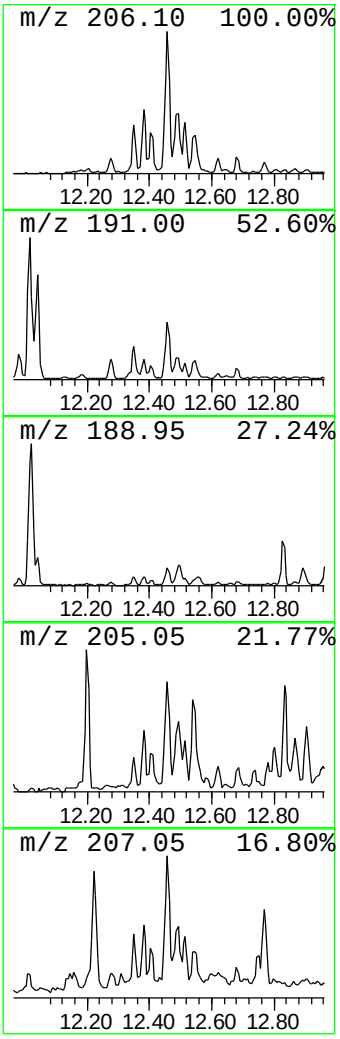
Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	2.53 ng	233514	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90





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ClientSampleId : TP-2

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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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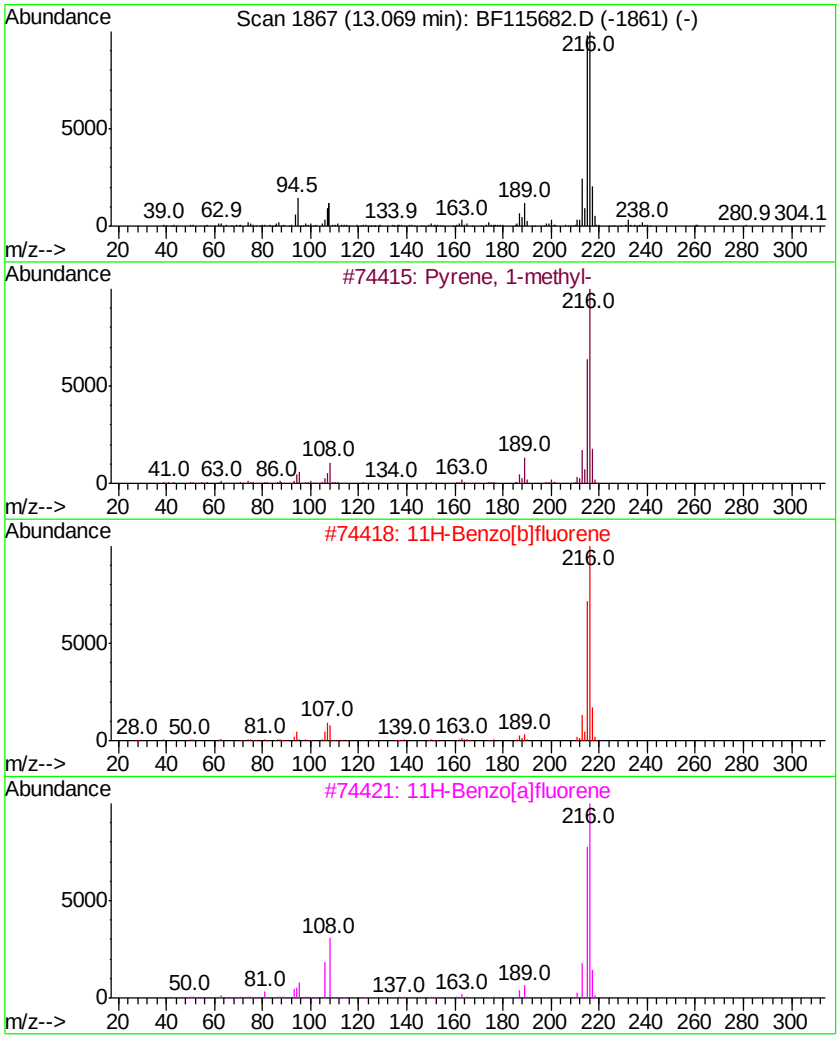
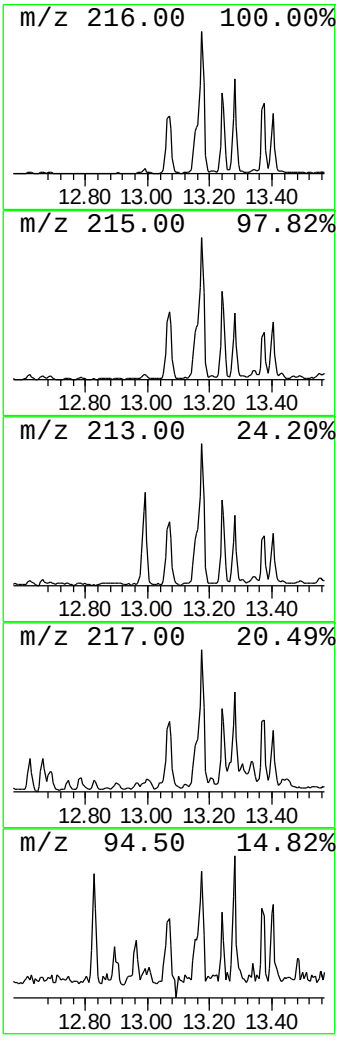
Peak Number 10 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	2.50 ng	340462	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70





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Misc :
ALS Vial : 7 Sample Multiplier: 1

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ClientSampleId : TP-2

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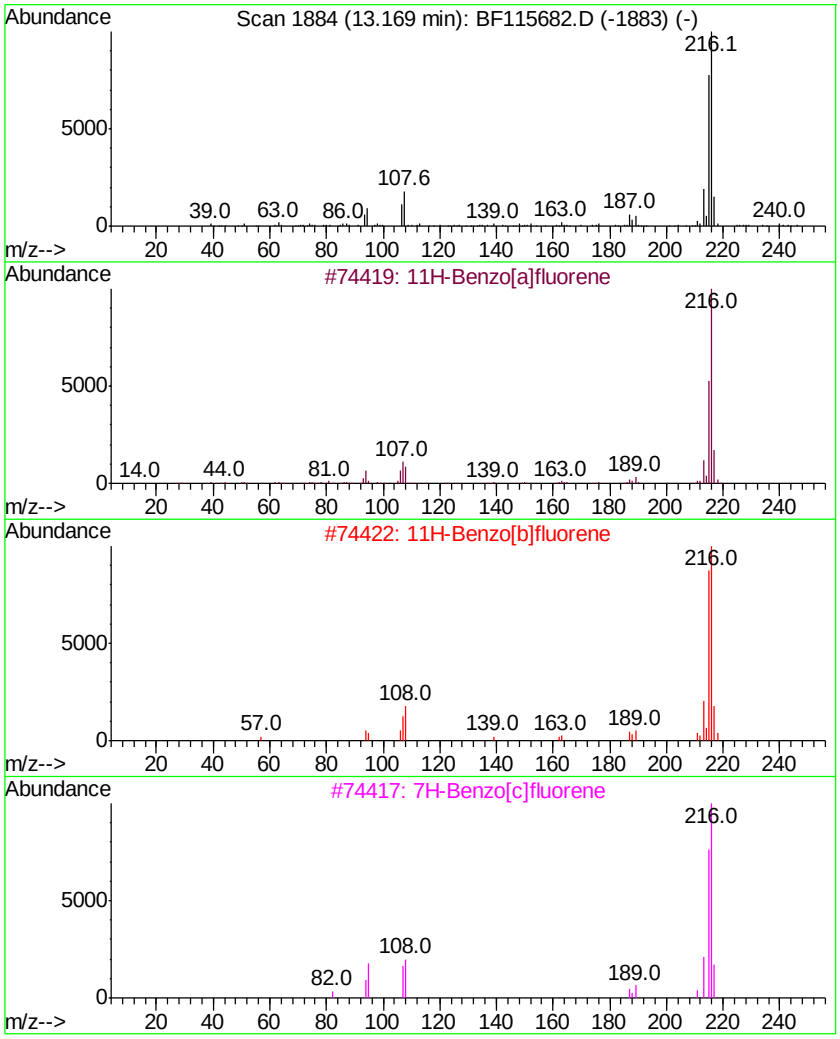
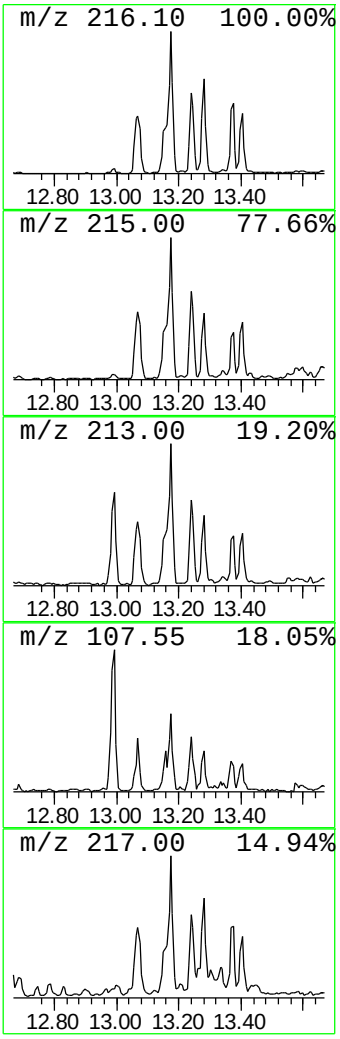
Peak Number 11 11H-Benzo[a]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	2.71 ng	368875	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	72
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64





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ClientSampleId : TP-2

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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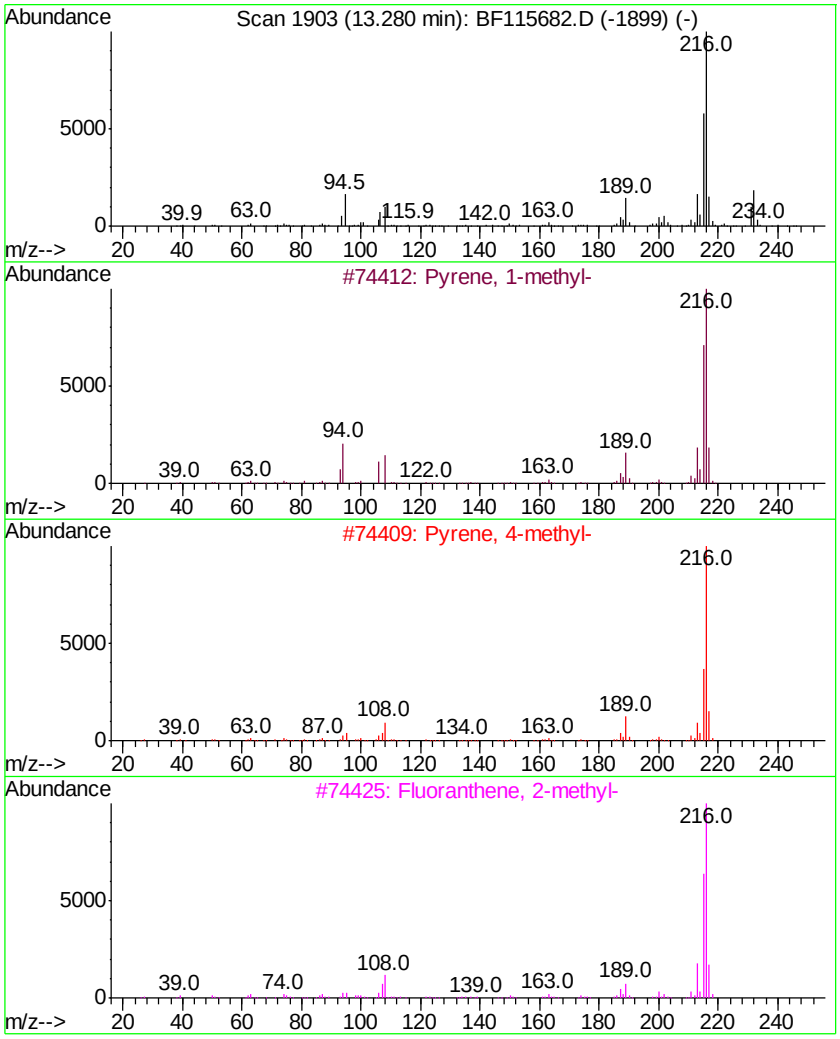
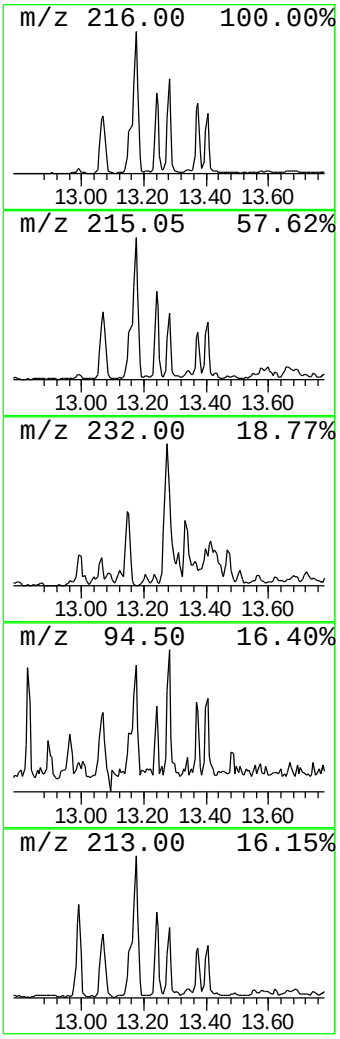
Peak Number 12 Pyrene, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	2.44 ng	332285	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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ClientSampleId : TP-2

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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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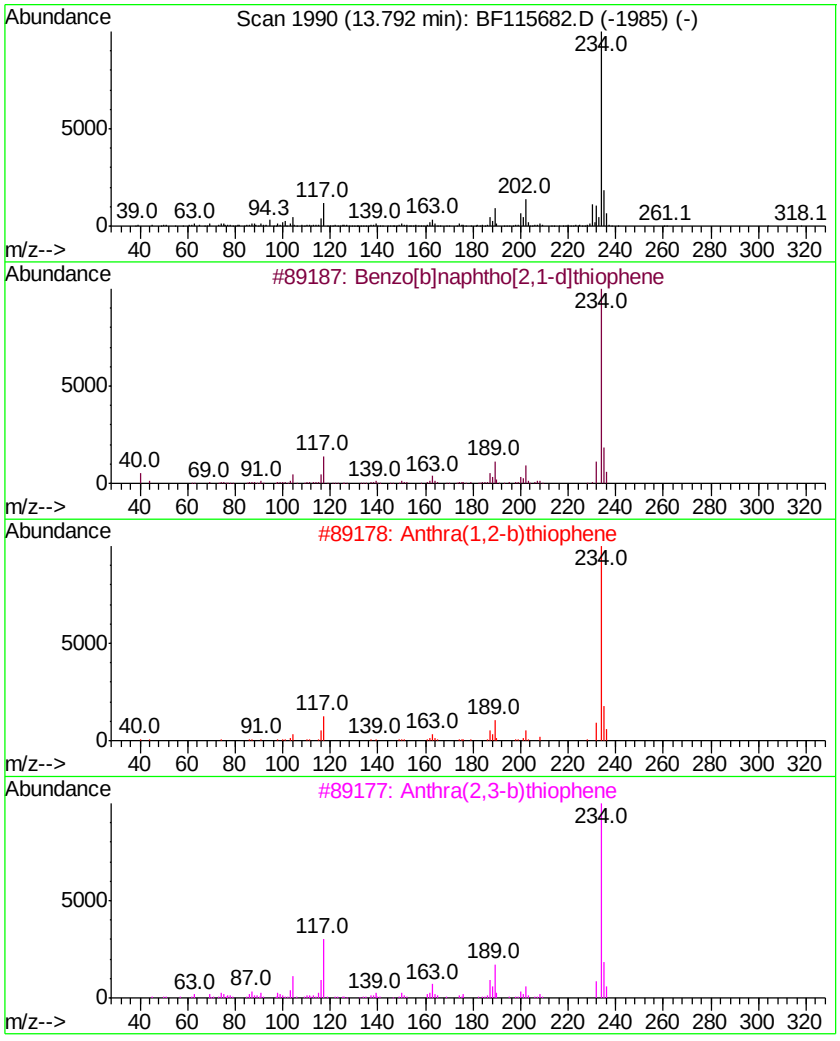
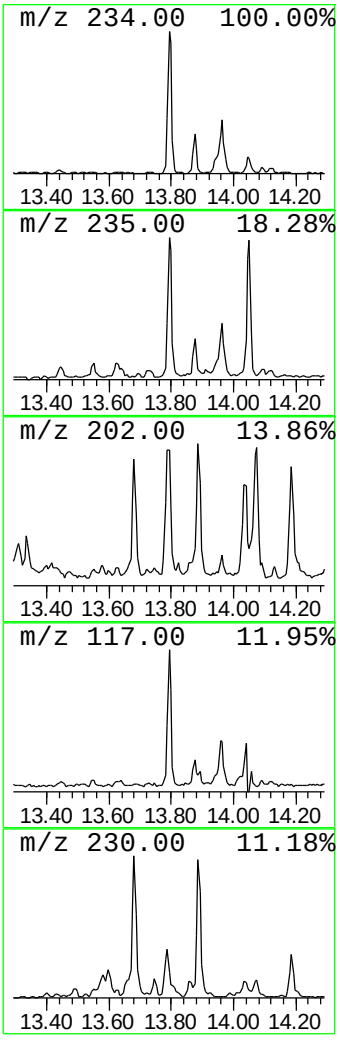
Peak Number 13 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	3.11 ng	422388	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	98
2	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	96
3	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	94
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	90
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	72





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ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

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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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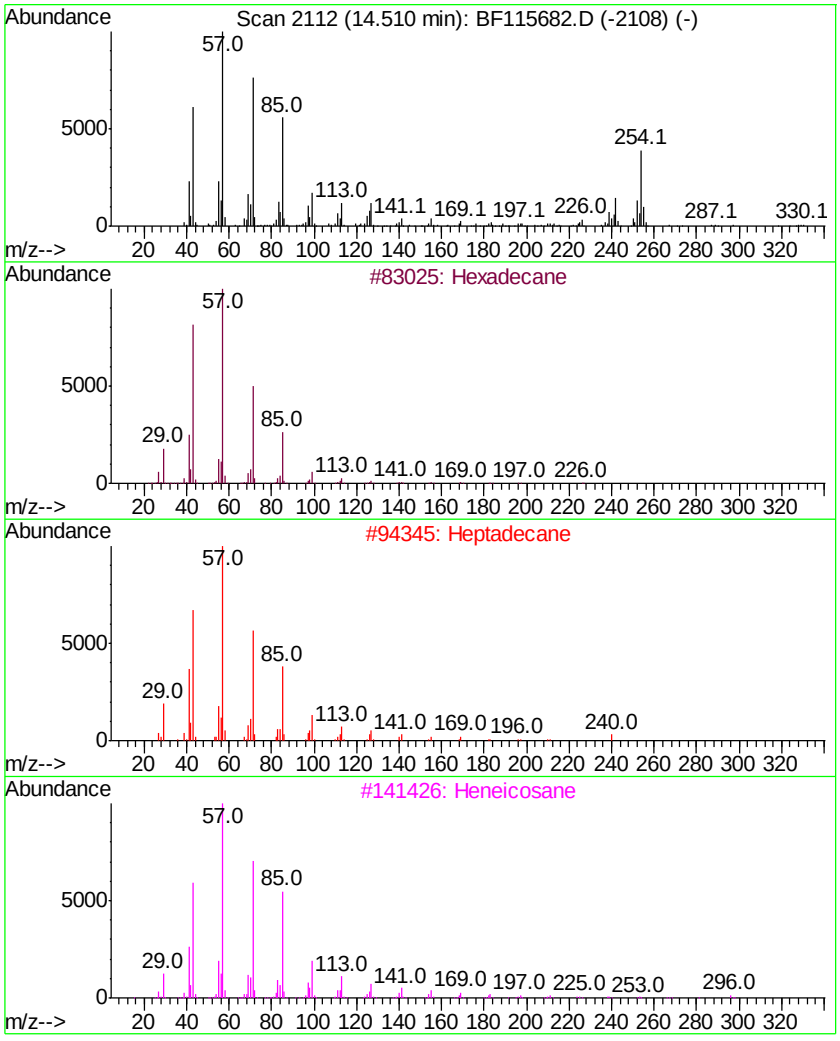
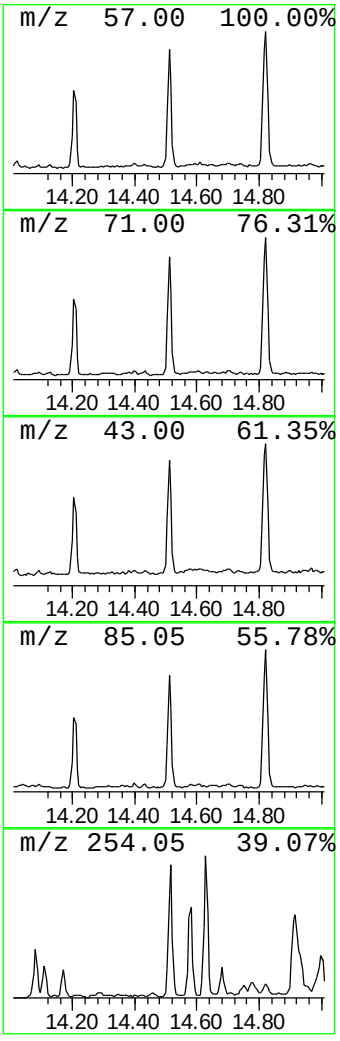
Peak Number 14 Hexadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.51	3.25 ng	442446	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	92
2	Heptadecane	240	C17H36	000629-78-7	91
3	Heneicosane	296	C21H44	000629-94-7	60
4	Hexacosane	366	C26H54	000630-01-3	60
5	Octacosane	394	C28H58	000630-02-4	60





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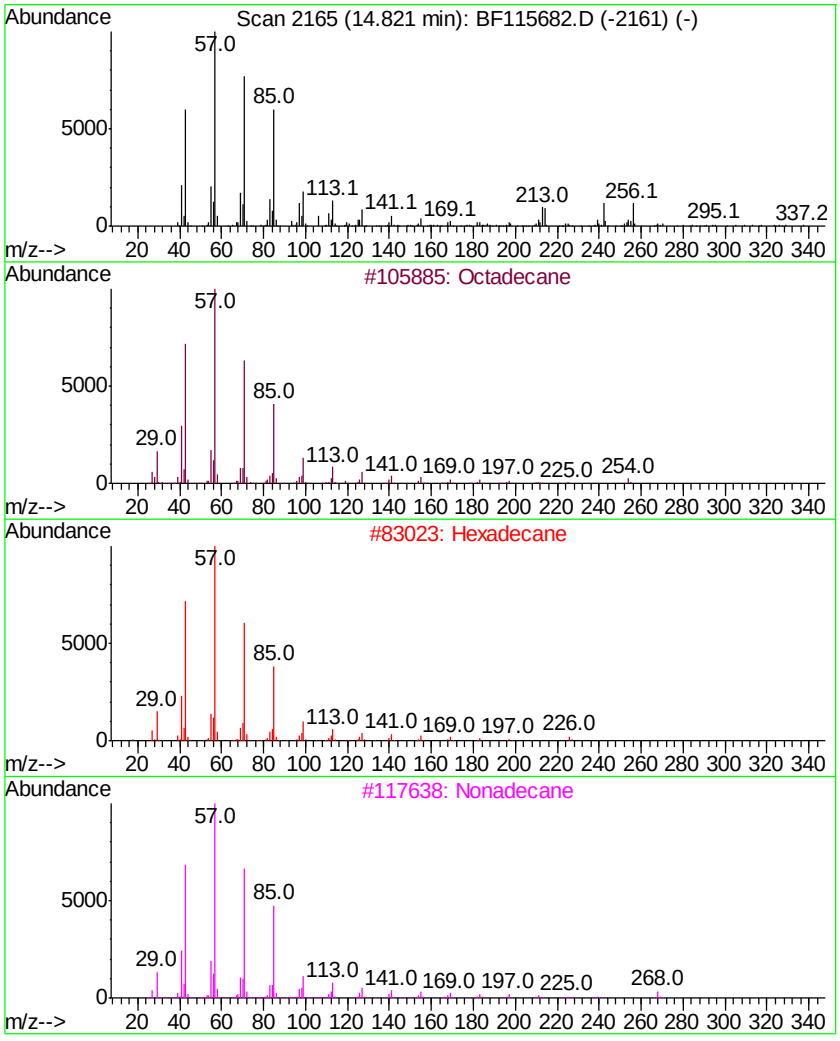
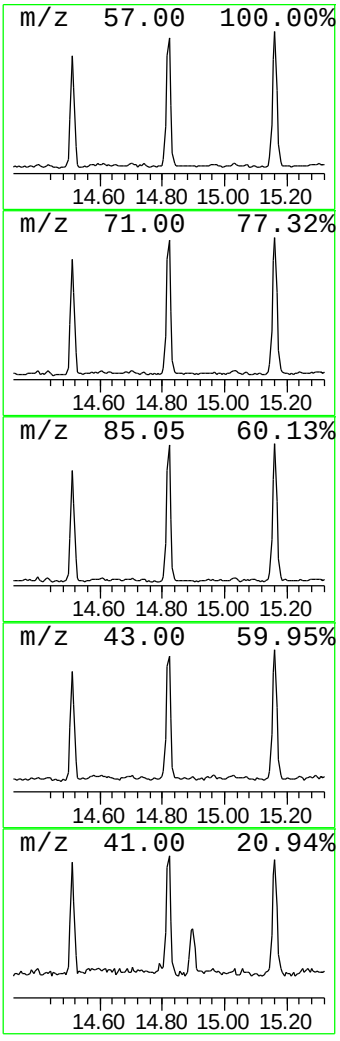
Peak Number 15 Octadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	5.55 ng	307187	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	98
2	Hexadecane	226	C16H34	000544-76-3	95
3	Nonadecane	268	C19H40	000629-92-5	93
4	Heptadecane	240	C17H36	000629-78-7	90
5	Heptadecane, 9-hexyl-	324	C23H48	055124-79-3	89





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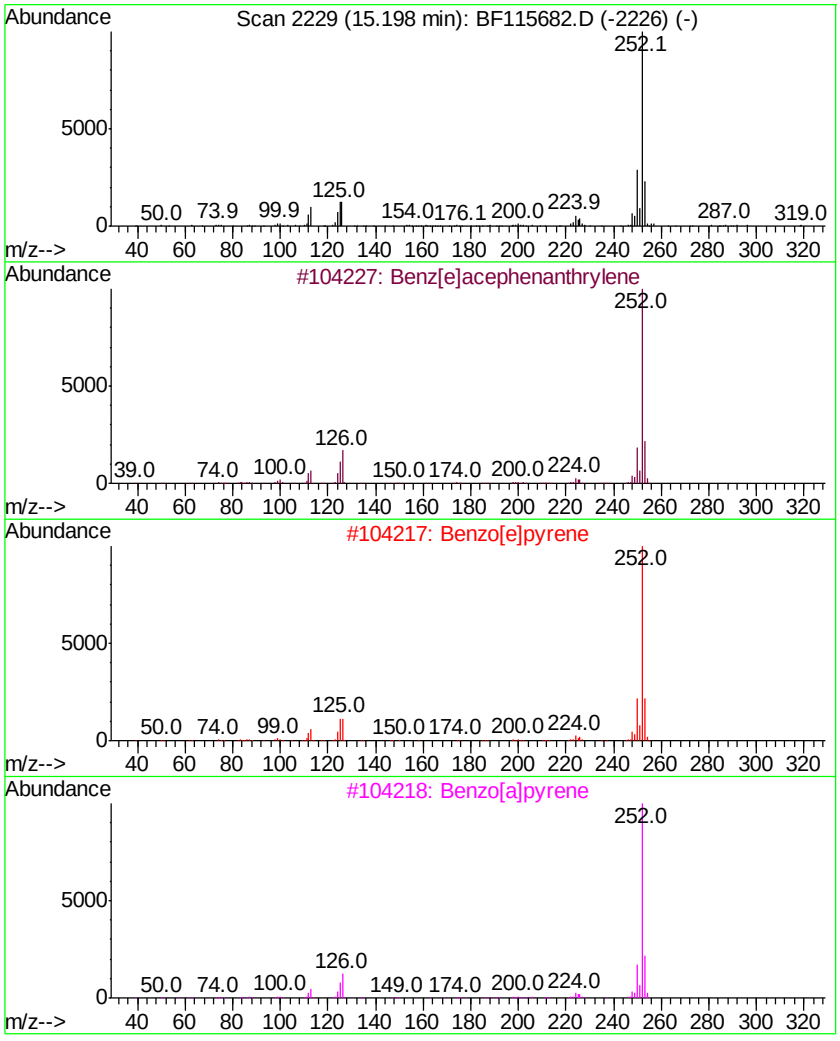
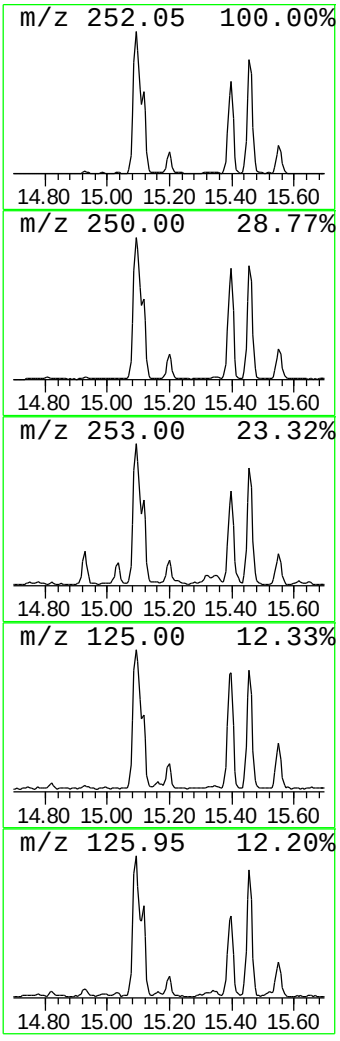
Peak Number 16 Benzo[e]pyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	2.86 ng	158413	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
2	Benzo[e]pyrene	252	C20H12	000192-97-2	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
5	Perylene	252	C20H12	000198-55-0	87





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TIC Integration Parameters: LSCINT.P

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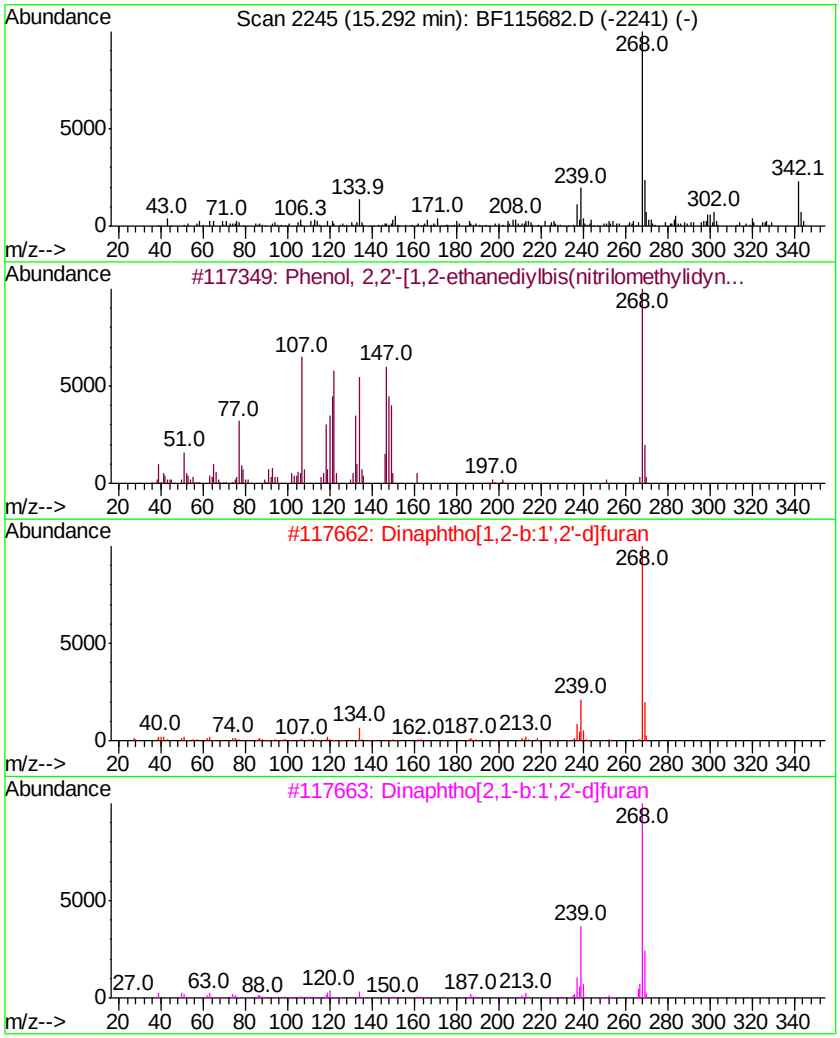
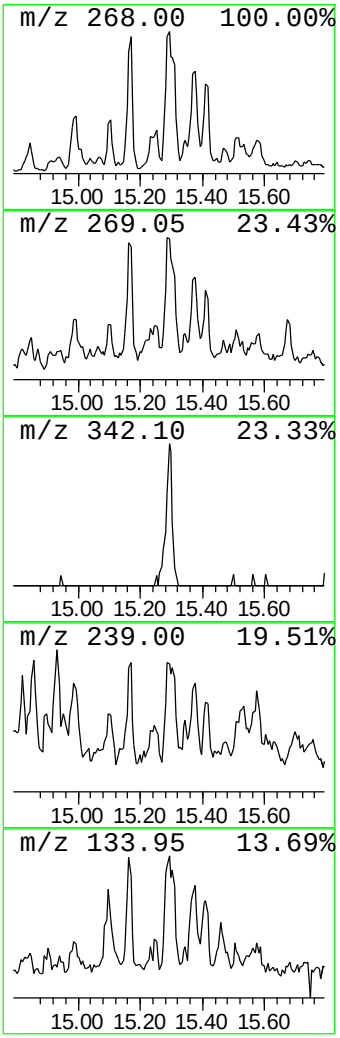
Peak Number 17 Phenol, 2,2'-[1,2-ethanediy... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	2.61 ng	144344	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,2'-[1,2-ethanediylbis(...	268	C16H16N2O2	000094-93-9	91
2	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	64
3	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	49
4	9,10-Anthracenedione, 1,4,5,8-te...	268	C14H12N4O2	002475-45-8	49
5	Benzo(a)pyren-7-ol	268	C20H12O	037994-82-4	49





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Sample : K3868-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

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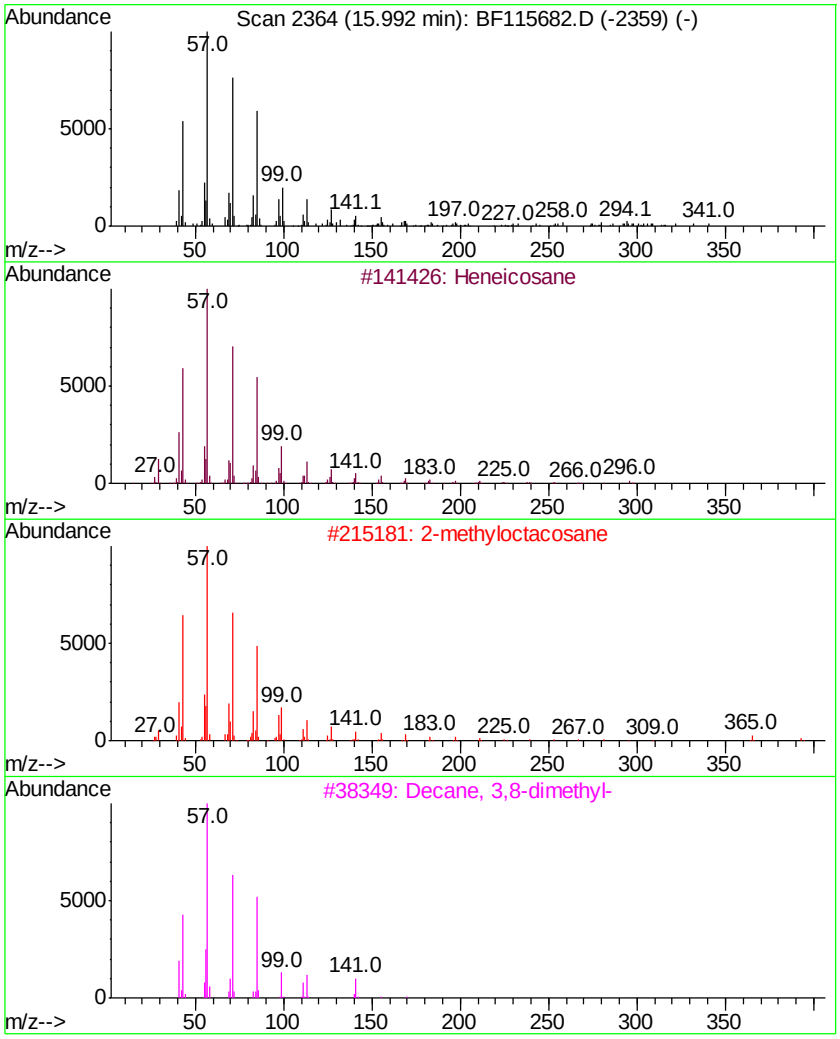
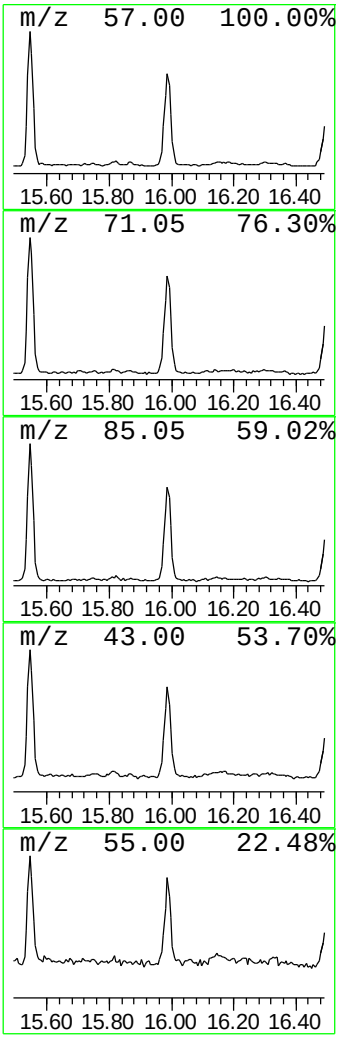
Peak Number 19 Heneicosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.99	4.68 ng	259315	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	2-methyloctacosane	408	C29H60	1000376-72-8	91
3	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	90
4	Hexacosane	366	C26H54	000630-01-3	90
5	Eicosane, 10-methyl-	296	C21H44	054833-23-7	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
Data File : BF115682.D
Acq On : 19 Jul 2019 20:01
Operator : HP/JU
Sample : K3868-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

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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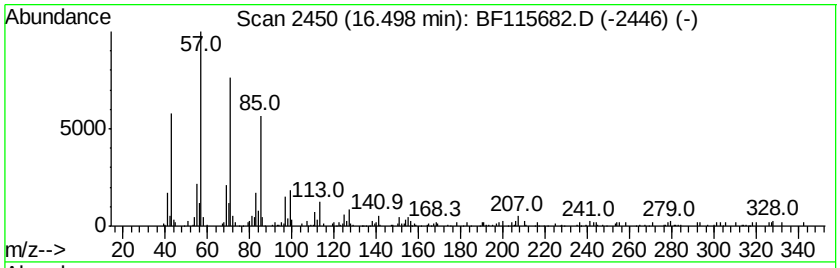
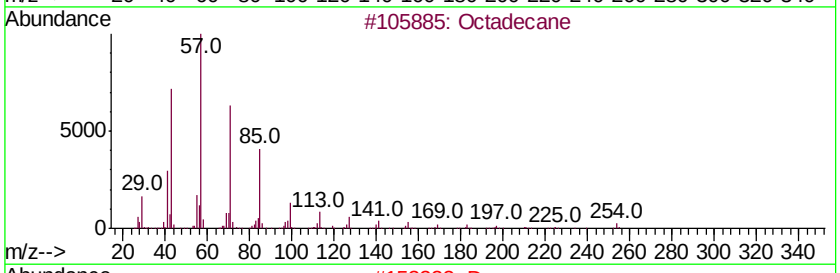
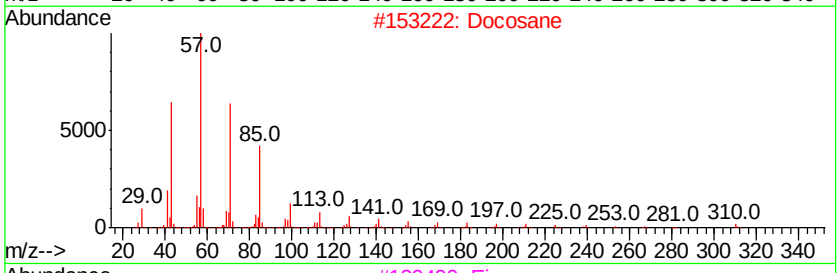
Peak Number 20 Tetracosane, 11-decyl- Concentration Rank 13

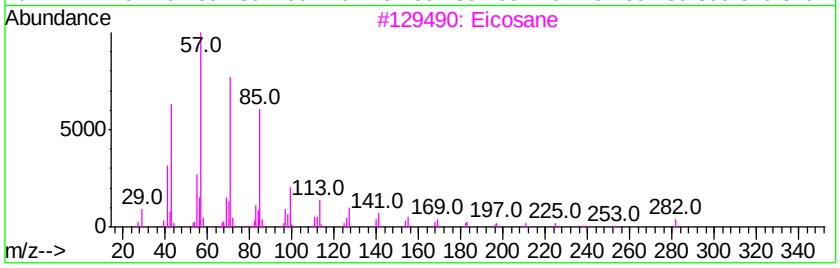
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.50	2.91 ng	161268	Perylene-d12	15.52

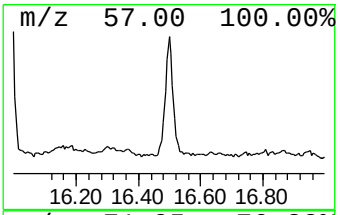
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	96
2	Docosane	310	C22H46	000629-97-0	94
3	Eicosane	282	C20H42	000112-95-8	91
4	Heneicosane	296	C21H44	000629-94-7	91
5	Tetracosane, 11-decyl-	479	C34H70	055429-84-0	91

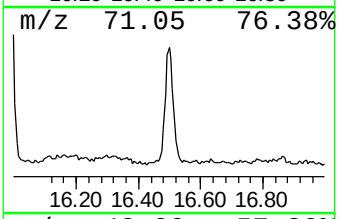


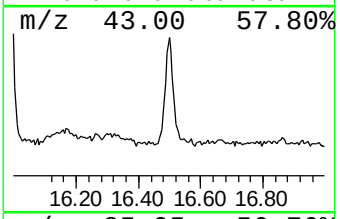


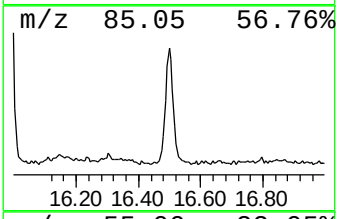


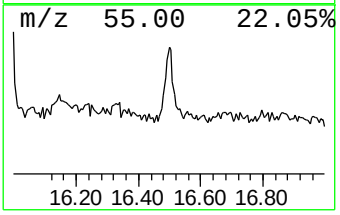












Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071919\
Data File : BF115682.D
Acq On : 19 Jul 2019 20:01
Operator : HP/JU
Sample : K3868-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

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...	2.23	18.9	ng	1251930	1	6.88	1328240	20.0
unknown6.66	6.66	65.9	ng	4374170	1	6.88	1328240	20.0
Phenanthrene, 2-m...	11.90	3.6	ng	328528	4	11.40	1842850	20.0
Phenanthrene, 1-m...	11.93	8.0	ng	740755	4	11.40	1842850	20.0
4H-Cyclopenta[def...	12.02	6.5	ng	600714	4	11.40	1842850	20.0
Naphthalene, 2-ph...	12.20	2.5	ng	233027	4	11.40	1842850	20.0
9,10-Anthracenedione	12.22	3.5	ng	326670	4	11.40	1842850	20.0
Phenanthrene, 2,5...	12.46	2.5	ng	233514	4	11.40	1842850	20.0
Pyrene, 1-methyl-	13.07	2.5	ng	340462	5	14.05	2719200	20.0
11H-Benzo[a]fluorene	13.17	2.7	ng	368875	5	14.05	2719200	20.0
Pyrene, 4-methyl-	13.28	2.4	ng	332285	5	14.05	2719200	20.0
Benzo[b]naphtho[2...	13.79	3.1	ng	422388	5	14.05	2719200	20.0
Hexadecane	14.51	3.3	ng	442446	5	14.05	2719200	20.0
Octadecane	14.82	5.5	ng	307187	6	15.52	1107470	20.0
Benzo[e]pyrene	15.20	2.9	ng	158413	6	15.52	1107470	20.0
Phenol, 2,2'-[1,2...	15.29	2.6	ng	144344	6	15.52	1107470	20.0
Heneicosane	15.99	4.7	ng	259315	6	15.52	1107470	20.0
Tetracosane, 11-d...	16.50	2.9	ng	161268	6	15.52	1107470	20.0