LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115876.D
Acq On : 31 Jul 2019 19:53
Operator : HP/JU
Sample : K4044-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-4

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-BF073019.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	2.116	3	5	16	rVB	594090	624340	25.37%	1.608%
2	5.475	572	576	592	rVB	2347047	2230962	90.66%	5.746%
3	6.481	743	747	767	rBV	2239183	2451334	99.62%	6.314%
4	6.622	767	771	774	rBV	2797309	2405808	97.77%	6.196%
5	6.851	806	810	818	rBV	969607	770021	31.29%	1.983%
6	7.010	833	837	840	rBV	2091527	1867423	75.89%	4.810%
7	7.410	901	905	908	rBV	1704210	1477570	60.05%	3.806%
8	8.133	1024	1028	1031	rBV	1061423	933686	37.94%	2.405%
9	9.210	1207	1211	1214	rBV	2919795	2460667	100.00%	6.338%
10	9.604	1275	1278	1286	rVB	375856	316943	12.88%	0.816%
11	9.751	1300	1303	1308	rBV	105973	91453	3.72%	0.236%
12	9.892	1323	1327	1330	rBV	1233029	1015476	41.27%	2.615%
13	9.921	1330	1332	1336	rVB	119098	95814	3.89%	0.247%
14	10.098	1356	1362	1366	rBV	57623	53064	2.16%	0.137%
15	10.439	1417	1420	1425	rVB	83758	74228	3.02%	0.191%
16	10.680	1457	1461	1467	rBV	1339259	1243848	50.55%	3.204%
17	10.810	1478	1483	1489	rVB5	22393	35608	1.45%	0.092%
18	11.186	1544	1547	1551	rVB	49259	44044	1.79%	0.113%
19	11.239	1551	1556	1559	rVV3	19536	35752	1.45%	0.092%
20	11.274	1559	1562	1568	rVB	66282	60175	2.45%	0.155%
21	11.380	1576	1580	1582	rBV	986707	995727	40.47%	2.565%
22	11.404	1582	1584	1587	rVV	1073823	866605	35.22%	2.232%
23	11.451	1587	1592	1596	rVB	280028	259008	10.53%	0.667%
24	11.610	1613	1619	1627	rBV2	78153	107245	4.36%	0.276%
25	11.674	1627	1630	1634	rVB2	38997	36034	1.46%	0.093%
26	11.880	1661	1665	1667	rBV	83887	72598	2.95%	0.187%
27	11.904	1667	1669	1673	rVV2	167874	178110	7.24%	0.459%
28	11.957	1676	1678	1681	rVV	55147	47890	1.95%	0.123%
29	11.992	1681	1684	1686	rVV	165591	167809	6.82%	0.432%
30	12.015	1686	1688	1692	rVB	57416	51355	2.09%	0.132%
31	12.174	1712	1715	1717	rBV	76443	65028	2.64%	0.167%
32	12.198	1717	1719	1723	rVB	56153	55641	2.26%	0.143%
33	12.427	1754	1758	1761	rBV	61275	73362	2.98%	0.189%
34	12.468	1761	1765	1767	rVV3	49827	63867	2.60%	0.164%

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Misc :
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Instrument : BNA_F
ClientSampleId : TP-4

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.515	1770	1773	1779	rVB	92152	92412	3.76%	0.238%
36	12.592	1782	1786	1790	rBV	1744206	1487257	60.44%	3.831%
37	12.657	1795	1797	1799	rVB	38380	31589	1.28%	0.081%
38	12.686	1799	1802	1805	rBV	68704	66955	2.72%	0.172%
39	12.745	1805	1812	1814	rBV2	55773	74636	3.03%	0.192%
40	12.821	1819	1825	1831	rBV	1629501	1590276	64.63%	4.096%
41	12.868	1831	1833	1838	rVB3	56025	65272	2.65%	0.168%
42	12.962	1842	1849	1852	rBV	2080660	2016598	81.95%	5.194%
43	13.039	1857	1862	1865	rBV2	87823	142241	5.78%	0.366%
44	13.121	1873	1876	1878	rBV3	73502	88648	3.60%	0.228%
45	13.145	1878	1880	1884	rVB	135776	138865	5.64%	0.358%
46	13.192	1884	1888	1889	rBV3	29420	40665	1.65%	0.105%
47	13.215	1889	1892	1894	rVB	72516	58196	2.37%	0.150%
48	13.251	1894	1898	1902	rBV2	133530	150978	6.14%	0.389%
49	13.310	1905	1908	1911	rBV3	28871	29146	1.18%	0.075%
50	13.345	1911	1914	1917	rVB	69456	55797	2.27%	0.144%
51	13.374	1917	1919	1923	rBV2	61735	63892	2.60%	0.165%
52	13.439	1926	1930	1937	rVB	296669	301795	12.26%	0.777%
53	13.533	1941	1946	1948	rBV5	41107	61096	2.48%	0.157%
54	13.657	1964	1967	1971	rVB	138773	135904	5.52%	0.350%
55	13.768	1982	1986	1988	rBV2	147903	157242	6.39%	0.405%
56	13.792	1988	1990	1992	rVV	119163	104948	4.27%	0.270%
57	13.821	1992	1995	1999	rVV2	130785	174844	7.11%	0.450%
58	13.862	1999	2002	2011	rVB4	181065	258737	10.51%	0.666%
59	14.015	2020	2028	2031	rBV2	1354101	2013963	81.85%	5.187%
60	14.045	2031	2033	2036	rVB	730754	565957	23.00%	1.458%
61	14.121	2044	2046	2051	rVB	125824	109726	4.46%	0.283%
62	14.209	2058	2061	2063	rVB2	54038	52958	2.15%	0.136%
63	14.239	2063	2066	2070	rVV2	83036	111155	4.52%	0.286%
64	14.274	2070	2072	2075	rVB3	37326	37270	1.51%	0.096%
65	14.404	2090	2094	2097	rVB	163091	149199	6.06%	0.384%
66	14.439	2097	2100	2103	rVB	73305	67088	2.73%	0.173%
67	14.486	2104	2108	2109	rVV3	68390	79657	3.24%	0.205%
68	14.527	2113	2115	2117	rVV	98362	94411	3.84%	0.243%
69	14.551	2117	2119	2122	rVV	86819	79661	3.24%	0.205%
70	14.598	2125	2127	2134	rVB2	61167	66281	2.69%	0.171%
71	14.715	2144	2147	2150	rBV2	66308	73998	3.01%	0.191%

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Misc :
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Instrument : BNA_F
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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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72	14.792	2157	2160	2164	rBV3	62423	85693	3.48%	0.221%
73	14.904	2174	2179	2185	rVB2	79392	133805	5.44%	0.345%
74	15.062	2201	2206	2209	rBV	970785	1468567	59.68%	3.782%
75	15.168	2220	2224	2228	rVB	208407	223546	9.08%	0.576%
76	15.256	2235	2239	2240	rBV2	66080	77834	3.16%	0.200%
77	15.362	2253	2257	2263	rVB	563555	756206	30.73%	1.948%
78	15.427	2263	2268	2273	rVB	830385	1006896	40.92%	2.593%
79	15.486	2273	2278	2281	rBV	759354	1011945	41.12%	2.606%
80	15.515	2281	2283	2291	rVB	275245	365853	14.87%	0.942%
81	16.045	2371	2373	2379	rVB2	46305	56618	2.30%	0.146%
82	16.956	2522	2528	2536	rVB2	346636	661463	26.88%	1.704%
83	17.133	2554	2558	2562	rVB2	56869	93013	3.78%	0.240%
84	17.192	2564	2568	2573	rVV2	44365	78276	3.18%	0.202%
85	17.403	2597	2604	2614	rBV	215946	474538	19.28%	1.222%
86	17.639	2639	2644	2650	rBV	56696	113767	4.62%	0.293%

Sum of corrected areas: 38825828

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
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Sample : K4044-15
Misc :
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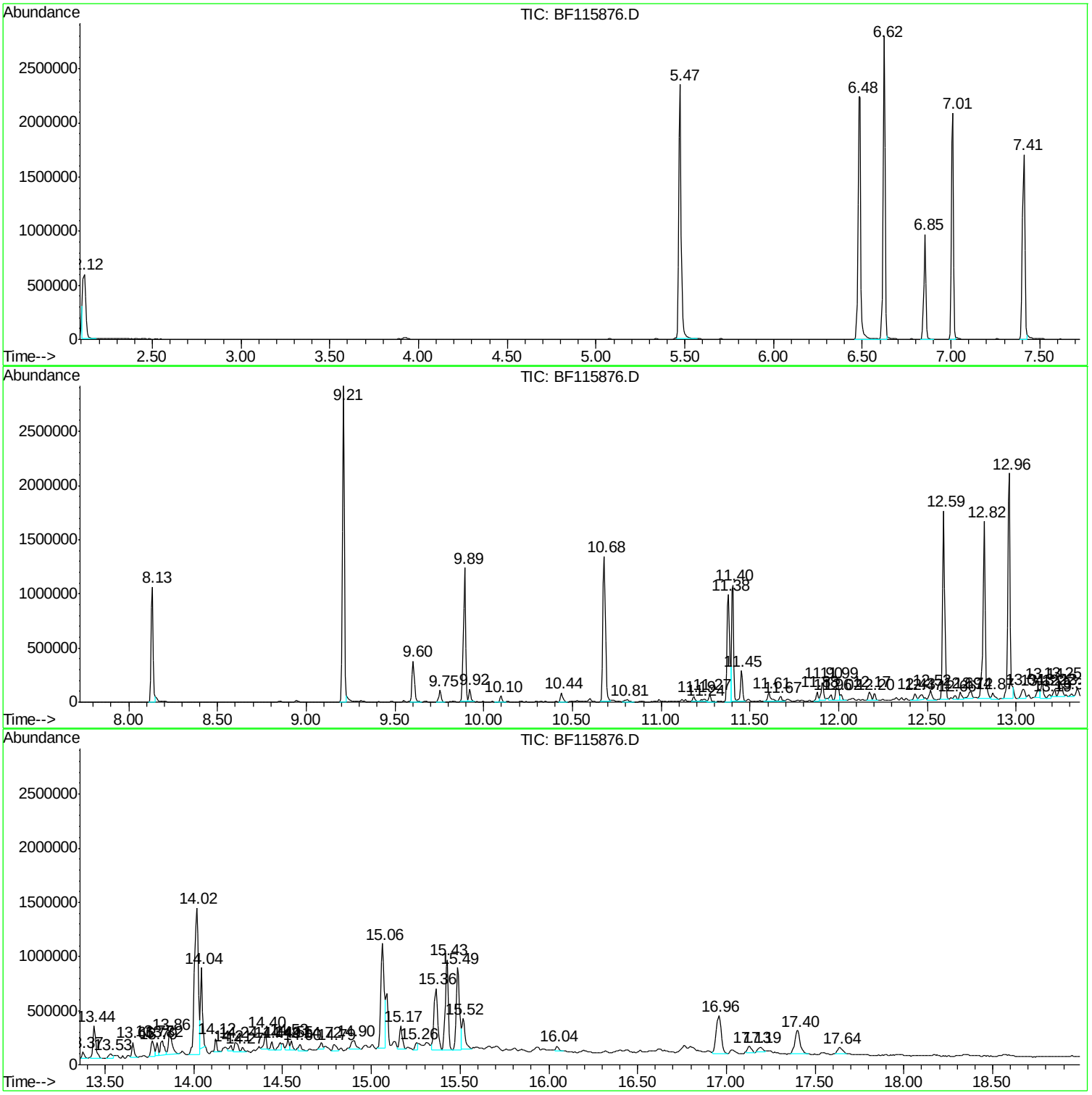
Instrument : BNA_F
ClientSampleId : TP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115876.D
Acq On : 31 Jul 2019 19:53
Operator : HP/JU
Sample : K4044-15
Misc :
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Instrument : BNA_F
ClientSampleId : TP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

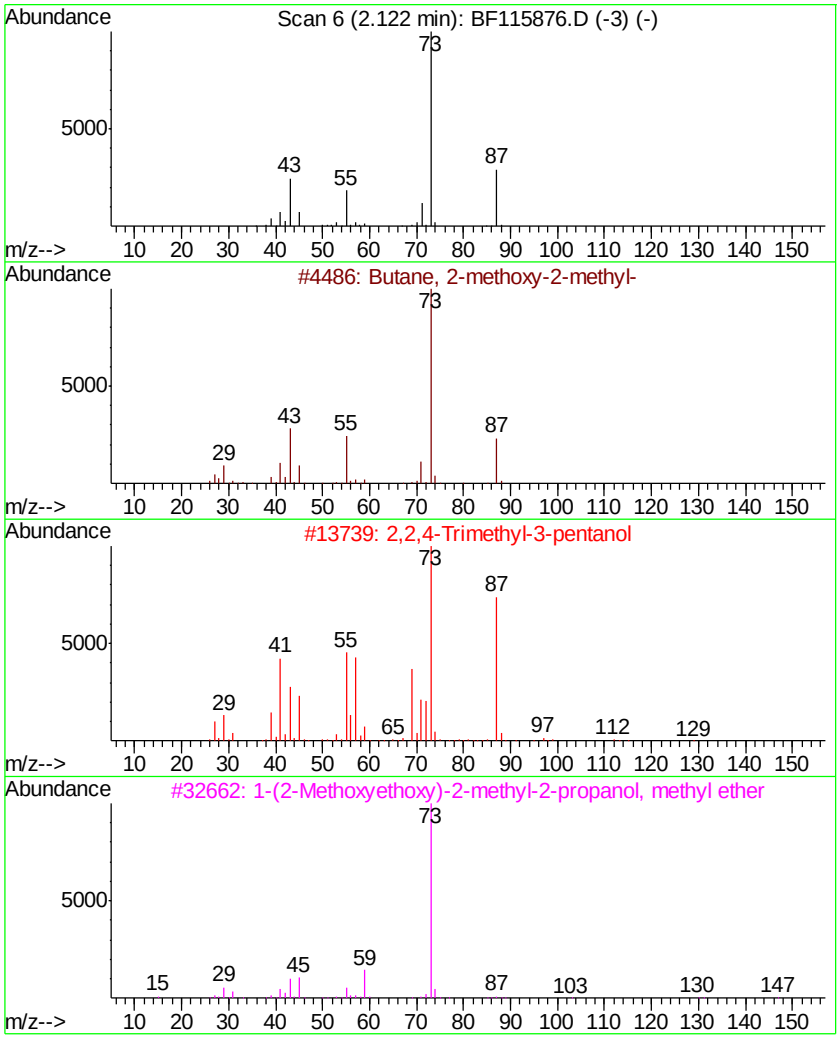
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

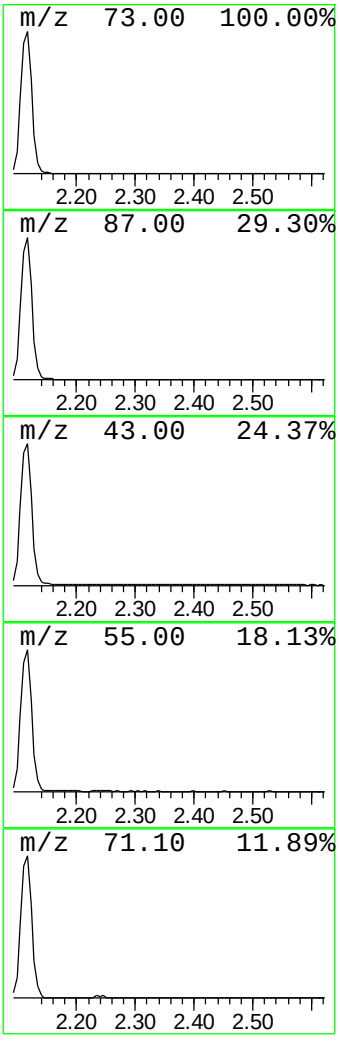
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.12	16.22 ng	624340	1,4-Dichlorobenzene-d4	6.85

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	40
3	1-(2-Methoxyethoxy)-2-methyl-2-p...	162	C8H18O3	1000364-24-4	23
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
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Sample : K4044-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

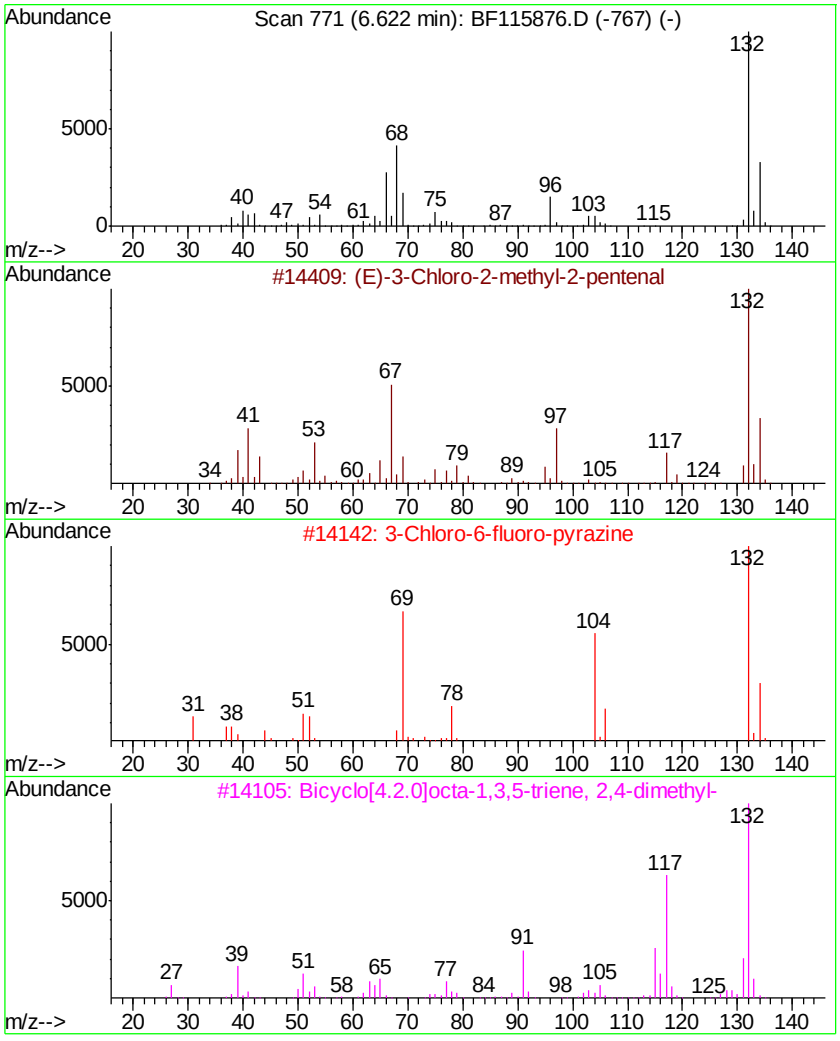
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

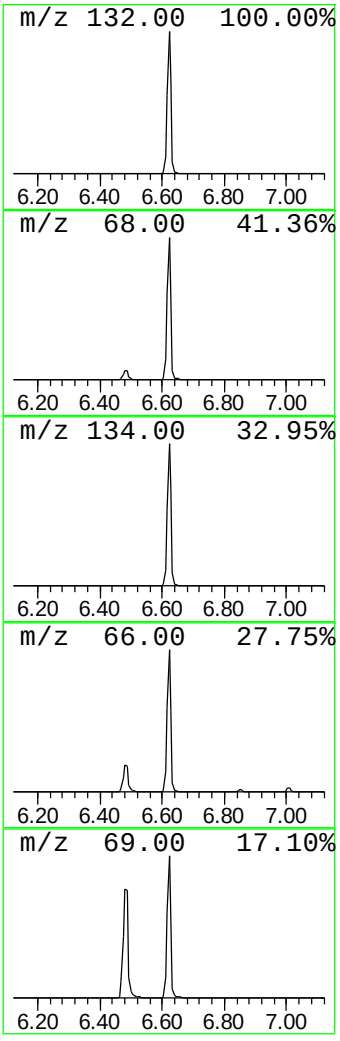
****

Peak Number 2 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	62.49 ng	2405810	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	27
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9
5	Xenon	132	Xe	007440-63-3	9





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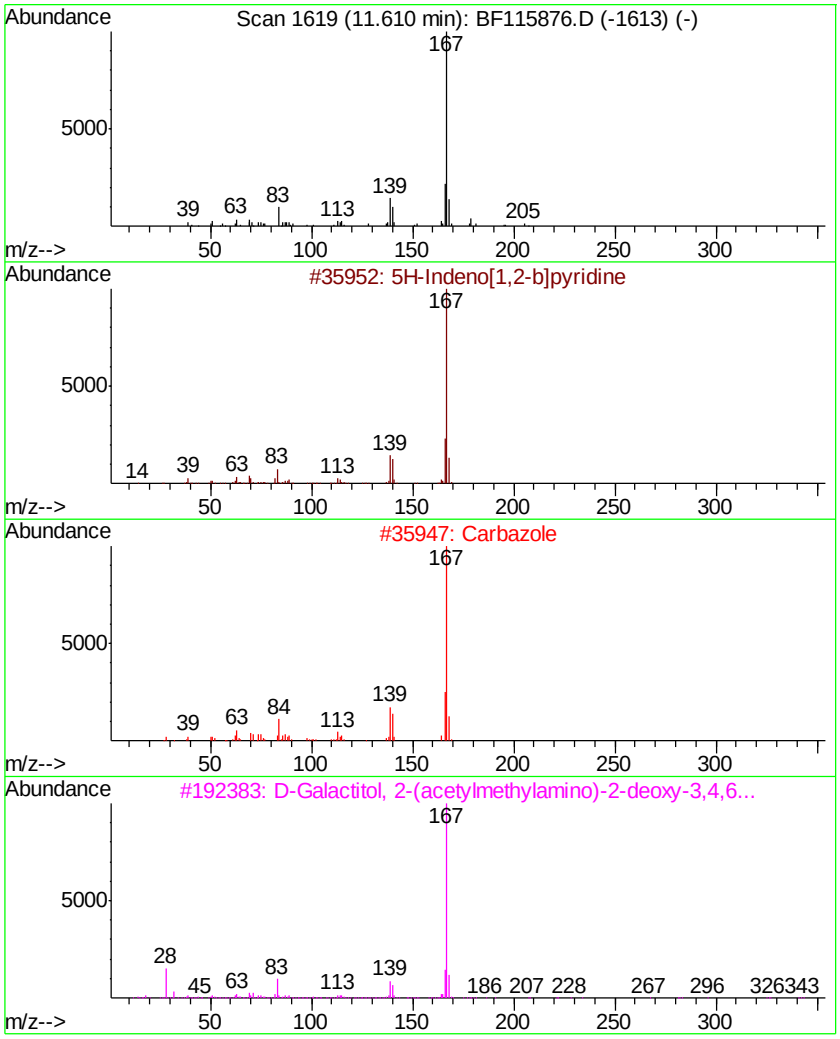
TIC Integration Parameters: LSCINT.P

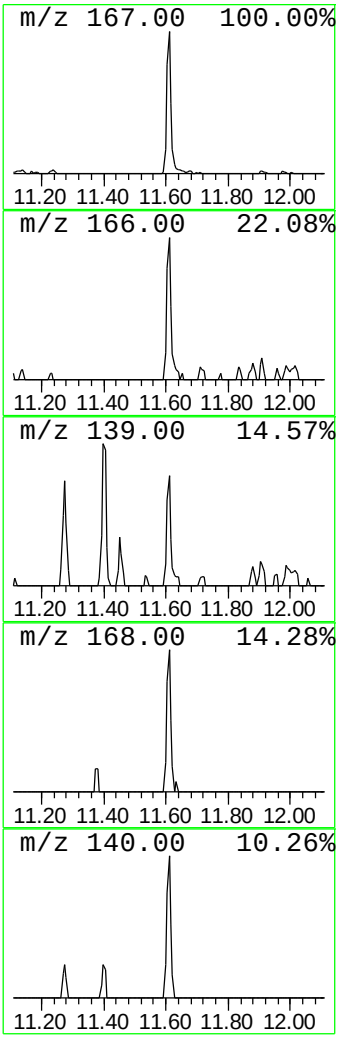
****

Peak Number 4 5H-Indeno[1,2-b]pyridine Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.61	2.15 ng	107245	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	94
2	Carbazole	167	C12H9N	000086-74-8	87
3	D-Galactitol, 2-(acetylmethylami...	363	C16H29NO8	074410-42-7	80
4	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	80
5	9H-Carbazole-9-methanol	197	C13H11NO	002409-36-1	74





Library Search Compound Report

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
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TIC Library : C:\DATABASE\NIST11.L
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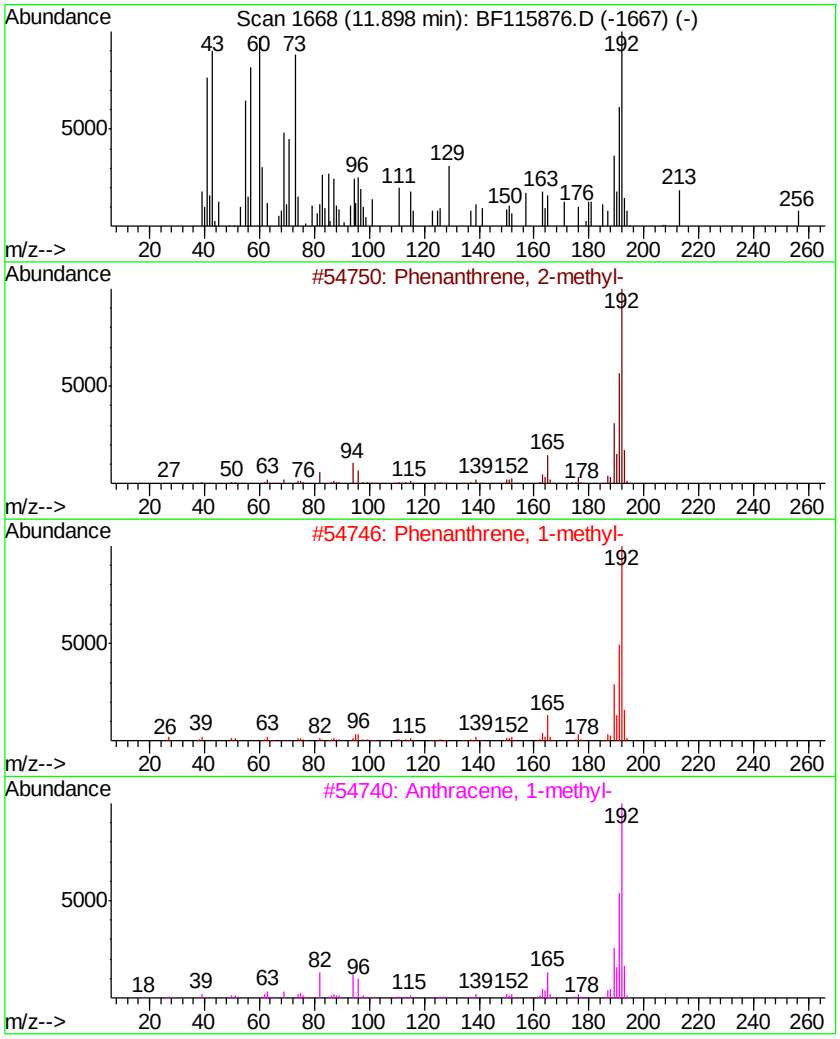
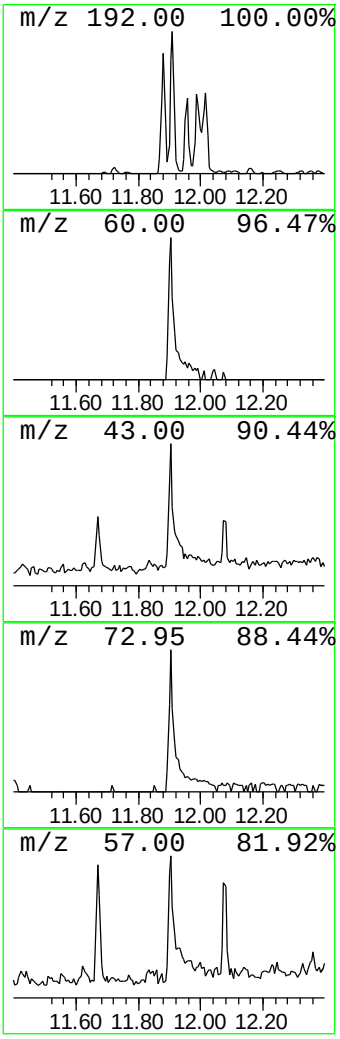
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	3.58 ng	178110	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	92
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

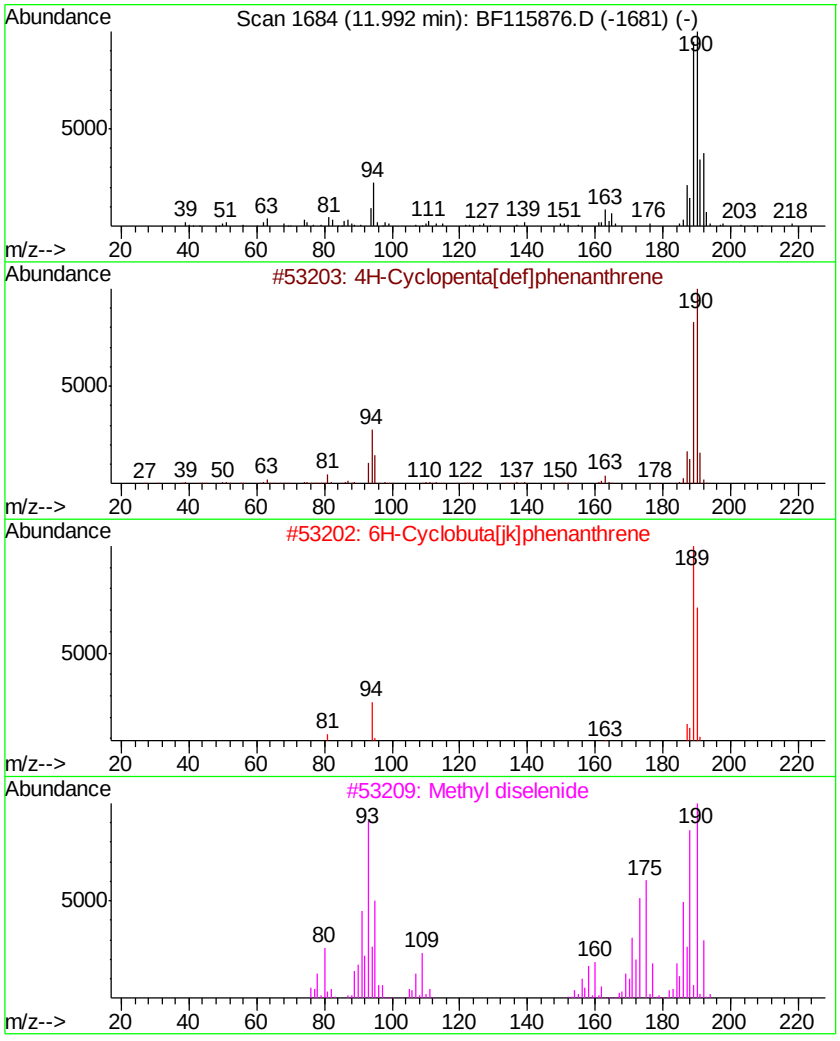
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

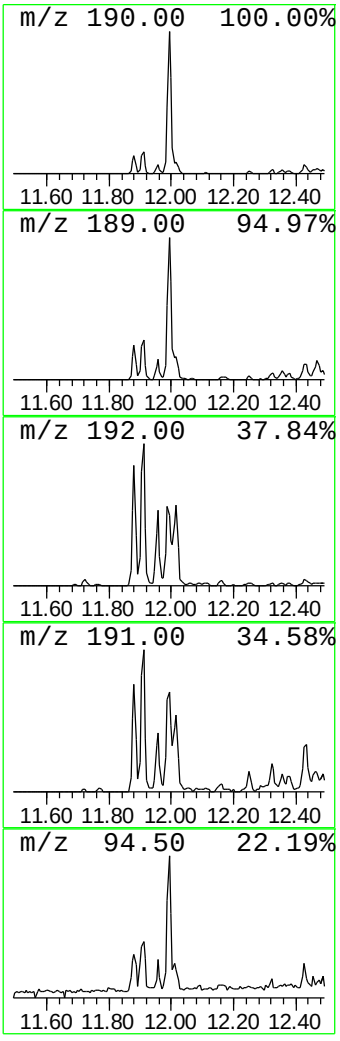
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	3.37 ng	167809	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	56
3	Methyl diselenide	190	C2H6Se2	007101-31-7	55
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	17





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Instrument : BNA_F
ClientSampleId : TP-4

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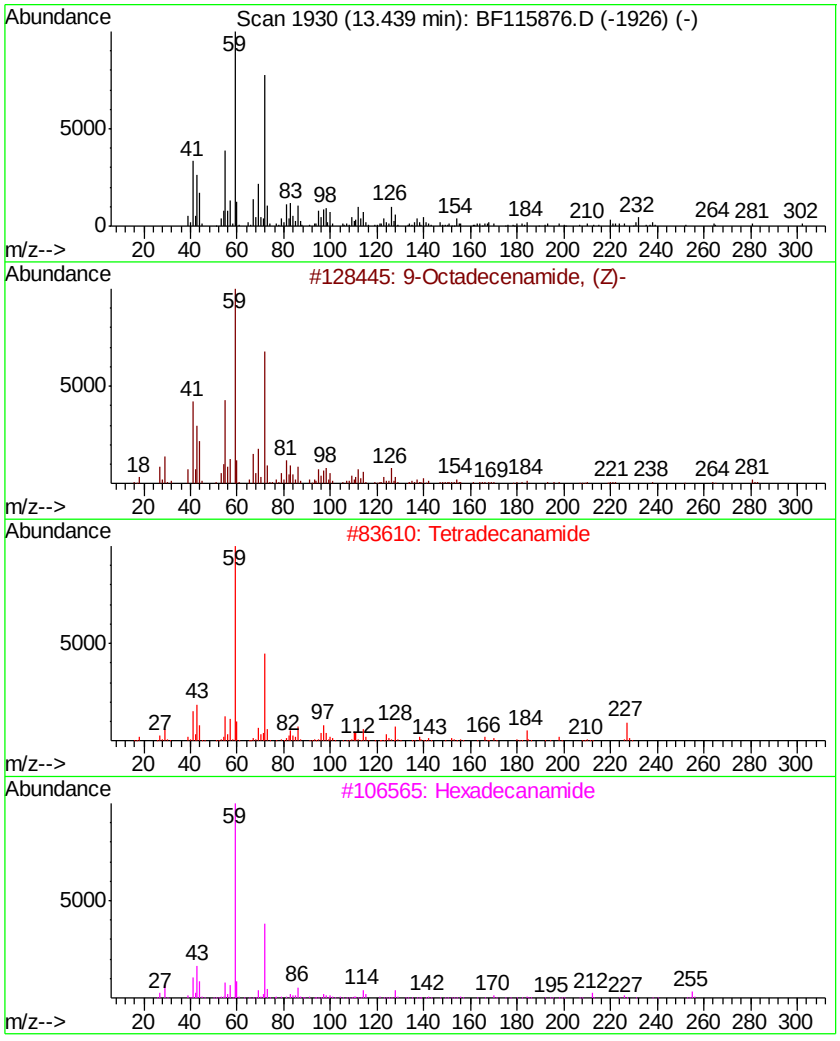
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

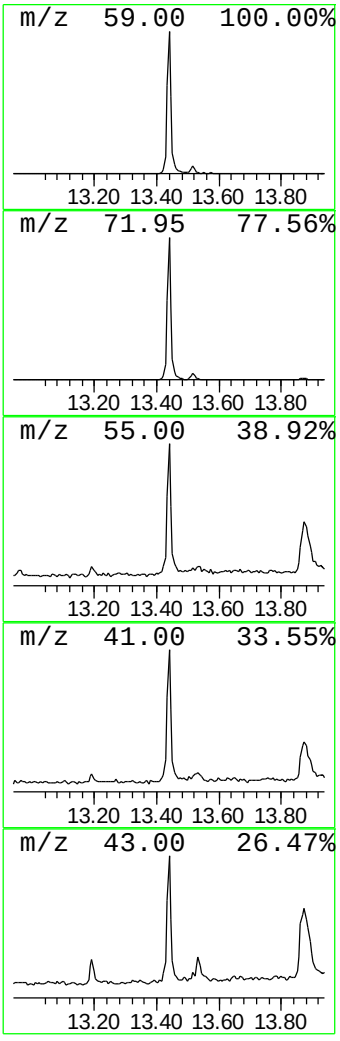
****

Peak Number 7 9-Octadecenamide, (Z)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.44	3.00 ng	301795	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	98
2	Tetradecanamide	227	C14H29NO	000638-58-4	72
3	Hexadecanamide	255	C16H33NO	000629-54-9	50
4	Nonanamide	157	C9H19NO	001120-07-6	43
5	Octanamide	143	C8H17NO	000629-01-6	43





Library Search Compound Report

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Data File : BF115876.D
Acq On : 31 Jul 2019 19:53
Operator : HP/JU
Sample : K4044-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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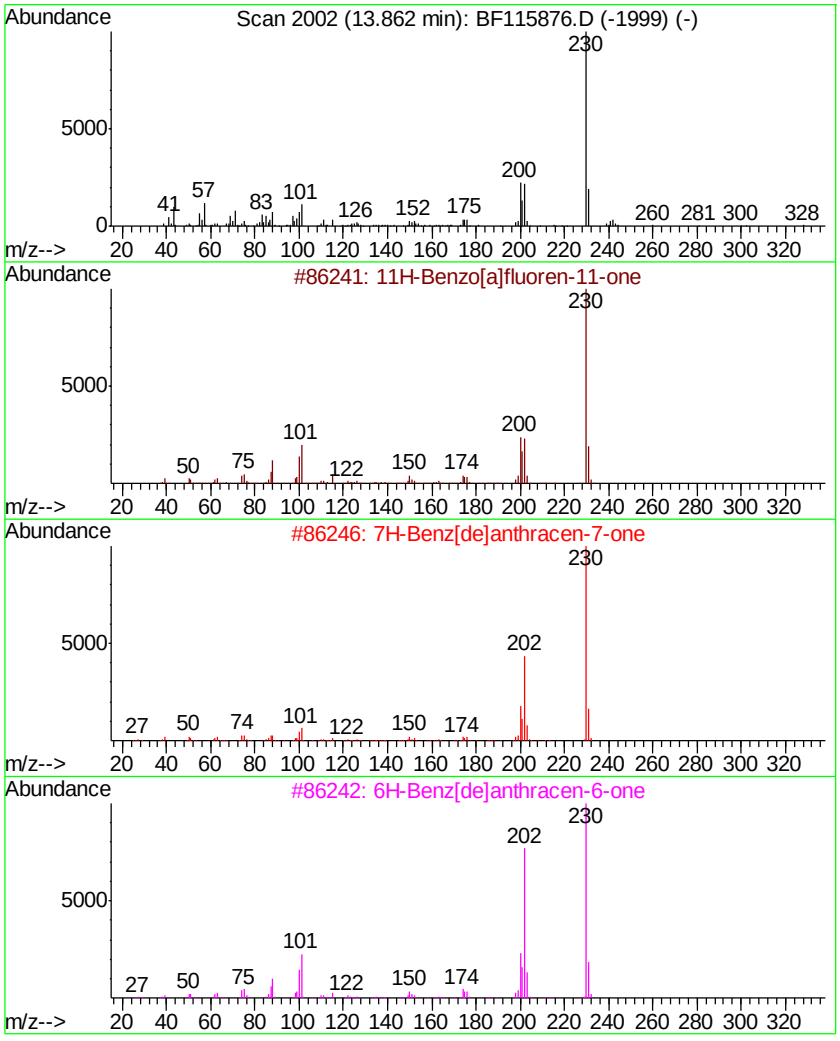
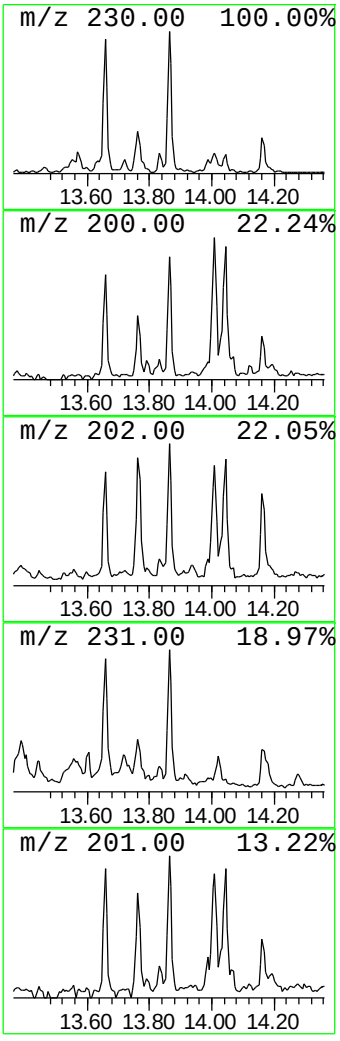
Peak Number 8 11H-Benzo[a]fluoren-11-one Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	2.57 ng	258737	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	53
4	o-Terphenyl	230	C18H14	000084-15-1	53
5	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	50





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Acq On : 31 Jul 2019 19:53
Operator : HP/JU
Sample : K4044-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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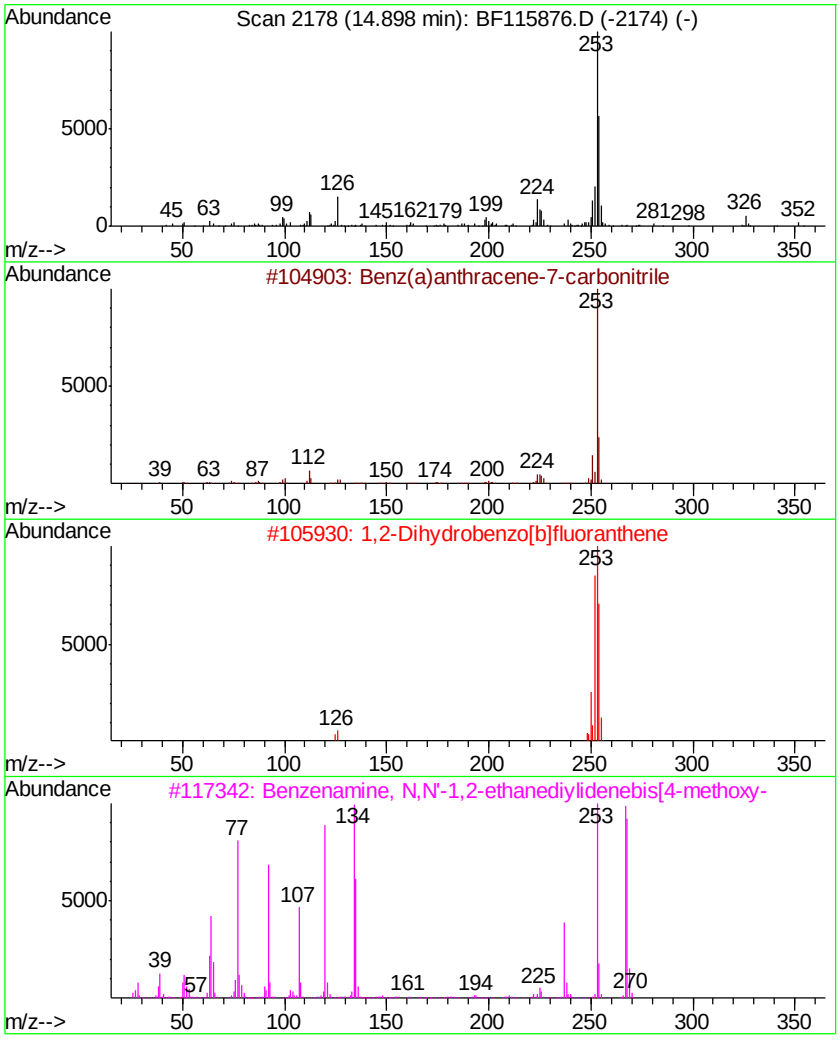
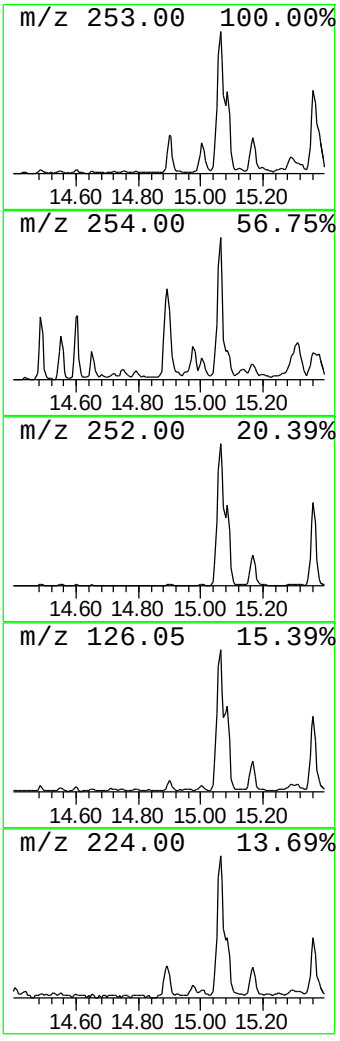
Peak Number 9 Benz(a)anthracene-7-carboni... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.90	2.64 ng	133805	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	62
2	1,2-Dihydrobenzo[b]fluoranthene	254	C20H14	100516-13-0	59
3	Benzenamine, N,N'-1,2-ethanediyl...	268	C16H16N2O2	024764-91-8	43
4	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	40
5	2-Methyl-4-trihexylsilyloxyoct-5...	422	C27H54OSi	1000299-52-5	40





Library Search Compound Report

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Data File : BF115876.D
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Operator : HP/JU
Sample : K4044-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
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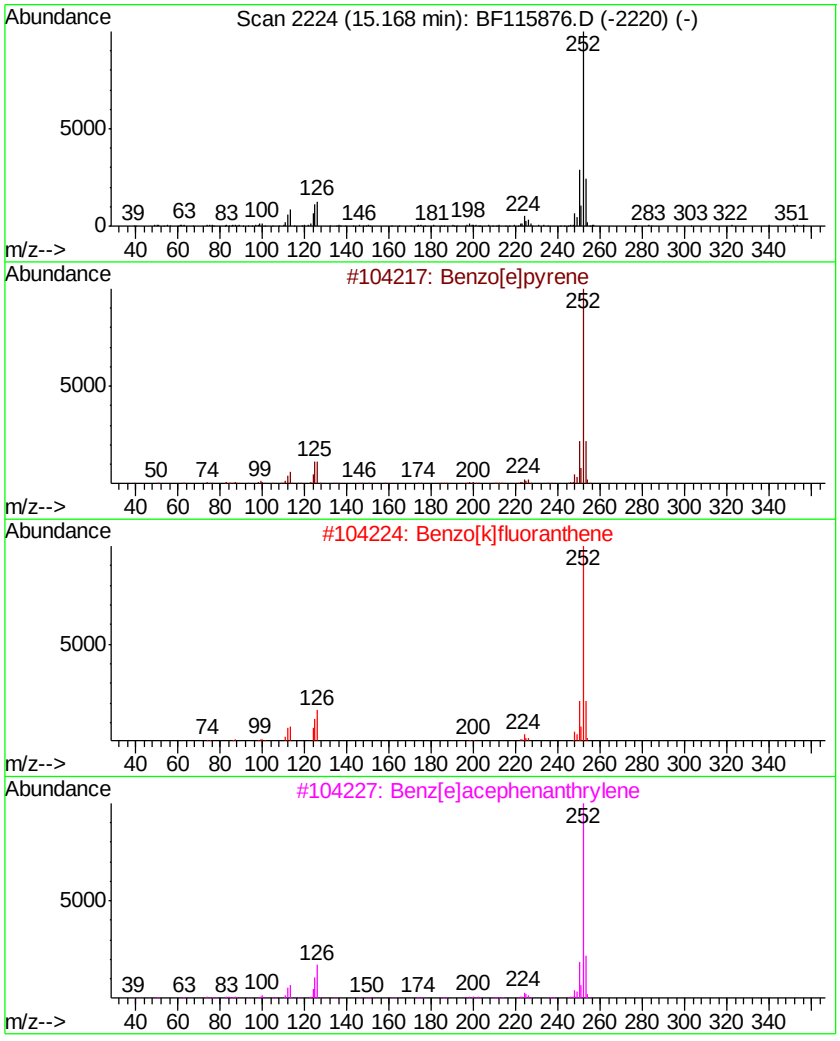
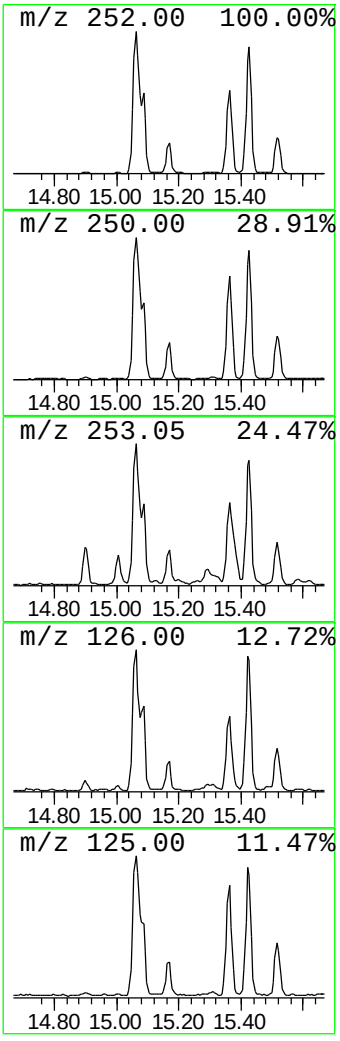
Peak Number 10 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	4.42 ng	223546	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Perylene	252	C20H12	000198-55-0	90





Library Search Compound Report

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Operator : HP/JU
Sample : K4044-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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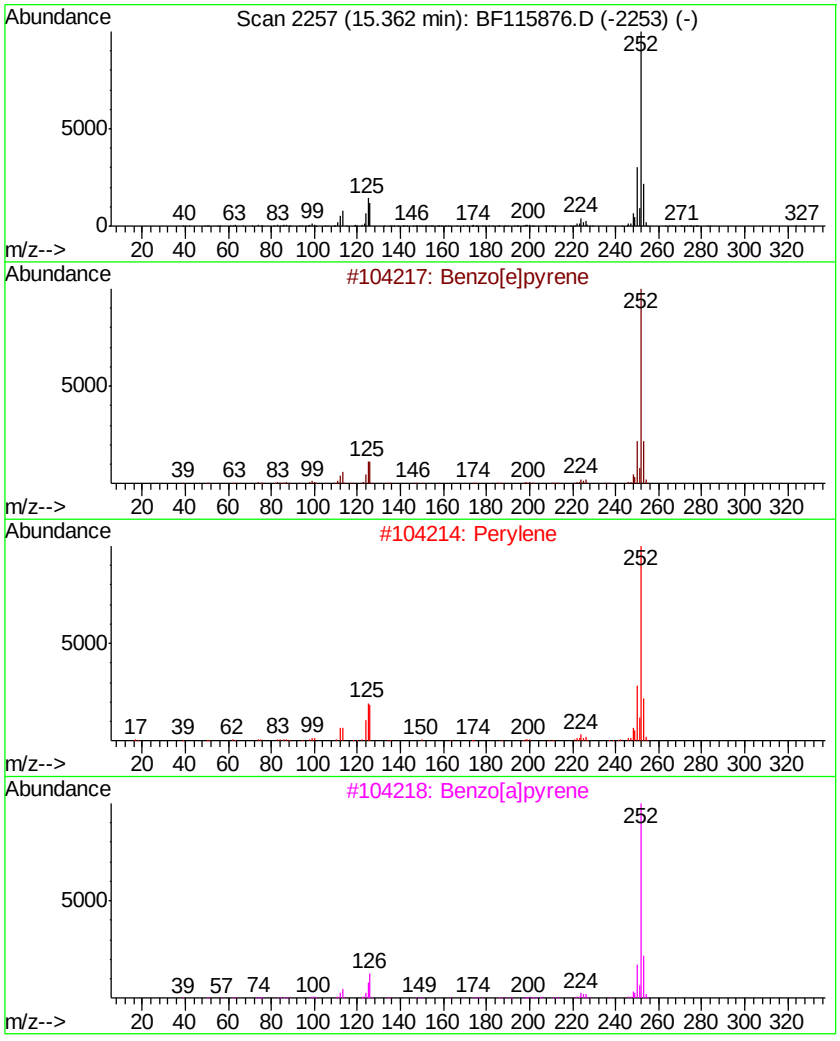
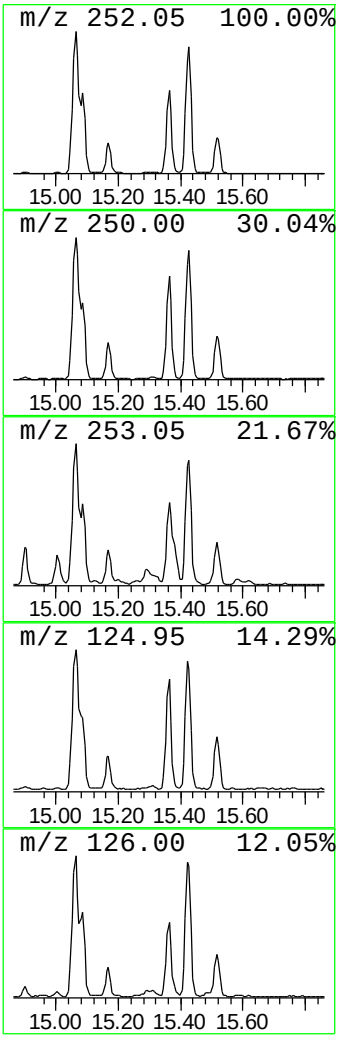
Peak Number 11 Perylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	14.95 ng	756206	Perylene-d12	15.49

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





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Data File : BF115876.D
Acq On : 31 Jul 2019 19:53
Operator : HP/JU
Sample : K4044-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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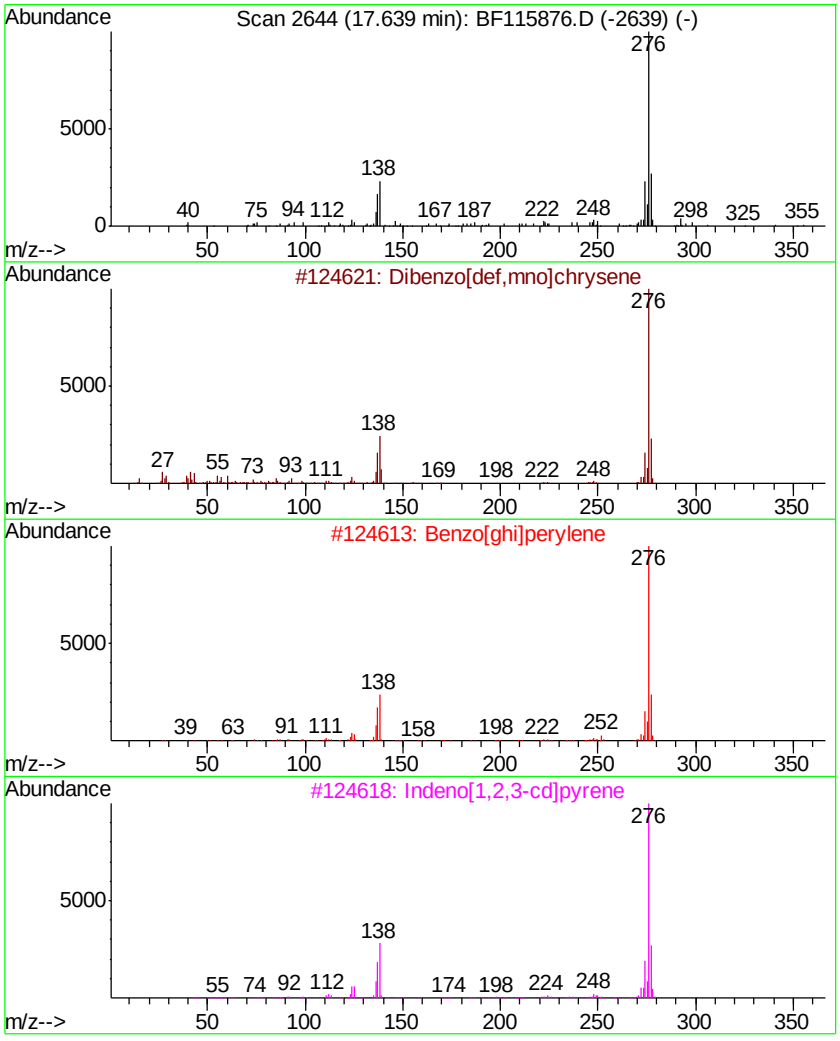
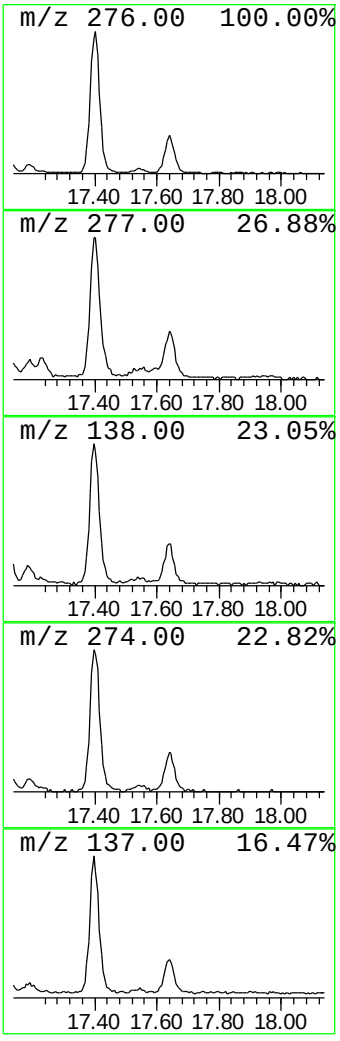
Peak Number 12 Dibenzo[def,mno]chrysene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.64	2.25 ng	113767	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	90
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	90
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	81
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	58
5	6H-Pyrido[4,3-b]carbazole, 9-met...	276	C18H16N2O	010371-86-5	53





Tentatively Identified Compound (LSC) summary

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Data File : BF115876.D
Acq On : 31 Jul 2019 19:53
Operator : HP/JU
Sample : K4044-15
Misc :
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Instrument : BNA_F
ClientSampleId : TP-4

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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...	2.12	16.2	ng	624340	1	6.85	770021	20.0
unknown6.62	6.62	62.5	ng	2405810	1	6.85	770021	20.0
5H-Indeno[1,2-b]p...	11.61	2.1	ng	107245	4	11.38	995727	20.0
Phenanthrene, 2-m...	11.90	3.6	ng	178110	4	11.38	995727	20.0
4H-Cyclopenta[def...	11.99	3.4	ng	167809	4	11.38	995727	20.0
9-Octadecenamide,...	13.44	3.0	ng	301795	5	14.02	2013960	20.0
11H-Benzo[a]fluor...	13.86	2.6	ng	258737	5	14.02	2013960	20.0
Benz(a)anthracene...	14.90	2.6	ng	133805	6	15.49	1011950	20.0
Benzo[e]pyrene	15.17	4.4	ng	223546	6	15.49	1011950	20.0
Perylene	15.36	14.9	ng	756206	6	15.49	1011950	20.0
Dibenzo[def,mno]c...	17.64	2.3	ng	113767	6	15.49	1011950	20.0