LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112619\
Data File : BF118014.D
Acq On : 26 Nov 2019 18:28
Operator : JU
Sample : K5973-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUCT-BANK-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-BF111319.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	2.187	12	17	30	rVB	564700	720231	26.05%	1.681%
2	5.110	509	514	524	rVB	360688	473427	17.12%	1.105%
3	5.510	578	582	586	rBV	2157093	2164067	78.27%	5.050%
4	6.522	749	754	757	rBV	2436231	2492085	90.13%	5.815%
5	6.663	774	778	781	rBV	2858495	2539456	91.84%	5.926%
6	6.892	814	817	821	rBV	1064989	878462	31.77%	2.050%
7	7.051	840	844	847	rBV	2359446	2004687	72.50%	4.678%
8	7.457	908	913	916	rBV	1672464	1476445	53.40%	3.445%
9	8.180	1032	1036	1039	rBV	1319534	1068646	38.65%	2.494%
10	8.204	1039	1040	1043	rVB	63348	32045	1.16%	0.075%
11	8.998	1171	1175	1178	rVB	46294	37302	1.35%	0.087%
12	9.263	1215	1220	1223	rBV	3218207	2764965	100.00%	6.452%
13	9.598	1274	1277	1280	rBV	35483	35842	1.30%	0.084%
14	9.651	1283	1286	1290	rVB	462221	345504	12.50%	0.806%
15	9.804	1309	1312	1315	rBV	56249	42148	1.52%	0.098%
16	9.945	1332	1336	1339	rBV	1088533	849434	30.72%	1.982%
17	9.974	1339	1341	1345	rVB	154242	121726	4.40%	0.284%
18	10.151	1366	1371	1374	rBV	77616	76538	2.77%	0.179%
19	10.492	1426	1429	1433	rBV	104383	93760	3.39%	0.219%
20	10.651	1454	1456	1459	rVB	39140	30778	1.11%	0.072%
21	10.739	1467	1471	1477	rBV	1302054	1212674	43.86%	2.830%
22	10.863	1486	1492	1498	rVB4	28047	39068	1.41%	0.091%
23	11.045	1516	1523	1526	rBV4	33849	51575	1.87%	0.120%
24	11.174	1540	1545	1546	rBV2	33896	35757	1.29%	0.083%
25	11.198	1546	1549	1553	rVV3	39482	50612	1.83%	0.118%
26	11.239	1553	1556	1560	rVV	110800	99563	3.60%	0.232%
27	11.298	1560	1566	1569	rVV2	75050	105723	3.82%	0.247%
28	11.333	1569	1572	1578	rVB	103209	95616	3.46%	0.223%
29	11.439	1586	1590	1592	rBV	1095471	968262	35.02%	2.259%
30	11.463	1592	1594	1597	rVV	1780772	1395681	50.48%	3.257%
31	11.516	1597	1603	1606	rVV	296346	285183	10.31%	0.665%
32	11.545	1606	1608	1614	rVB3	41511	39388	1.42%	0.092%
33	11.669	1623	1629	1631	rBV2	161220	178474	6.45%	0.416%
34	11.733	1636	1640	1644	rVV3	49780	56775	2.05%	0.132%

LSC Area Percent Report

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Sample : K5973-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUCT-BANK-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 >
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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.768	1644	1646	1651	rVB4	42587	42950	1.55%	0.100%
36	11.939	1670	1675	1677	rBV	213258	247232	8.94%	0.577%
37	11.968	1677	1680	1683	rVV2	1250356	1272546	46.02%	2.969%
38	11.992	1683	1684	1686	rVV	111853	98961	3.58%	0.231%
39	12.016	1686	1688	1691	rVV	101451	107637	3.89%	0.251%
40	12.057	1691	1695	1697	rVV2	291425	335297	12.13%	0.782%
41	12.074	1697	1698	1702	rVB	140455	103680	3.75%	0.242%
42	12.239	1723	1726	1728	rBV	146313	128753	4.66%	0.300%
43	12.263	1728	1730	1734	rVB	240412	190026	6.87%	0.443%
44	12.386	1745	1751	1754	rBV2	87569	94556	3.42%	0.221%
45	12.445	1759	1761	1763	rVB	40145	31671	1.15%	0.074%
46	12.492	1766	1769	1772	rBV2	152151	177669	6.43%	0.415%
47	12.527	1772	1775	1778	rVV2	59418	66541	2.41%	0.155%
48	12.580	1781	1784	1789	rVB	137182	140325	5.08%	0.327%
49	12.663	1793	1798	1801	rBV	2076987	1912811	69.18%	4.463%
50	12.721	1806	1808	1810	rVV2	62786	61506	2.22%	0.144%
51	12.751	1810	1813	1816	rVV2	319111	330906	11.97%	0.772%
52	12.786	1816	1819	1821	rVV	90361	119306	4.31%	0.278%
53	12.810	1821	1823	1826	rVV	102186	111167	4.02%	0.259%
54	12.892	1830	1837	1840	rVV	1865253	2000775	72.36%	4.669%
55	12.939	1842	1845	1848	rVB2	98991	120648	4.36%	0.282%
56	13.027	1853	1860	1867	rVB	2507595	2414778	87.33%	5.635%
57	13.110	1868	1874	1877	rBV2	135595	243864	8.82%	0.569%
58	13.163	1881	1883	1885	rBV2	32689	35277	1.28%	0.082%
59	13.192	1885	1888	1890	rBV3	93369	98461	3.56%	0.230%
60	13.215	1890	1892	1895	rVB2	168686	136586	4.94%	0.319%
61	13.257	1895	1899	1901	rBV4	45772	65955	2.39%	0.154%
62	13.280	1901	1903	1906	rBV	102854	81539	2.95%	0.190%
63	13.321	1906	1910	1913	rBV2	200920	221481	8.01%	0.517%
64	13.345	1913	1914	1917	rVB2	65608	48133	1.74%	0.112%
65	13.374	1917	1919	1922	rBV	48907	56767	2.05%	0.132%
66	13.415	1923	1926	1928	rBV	101334	72794	2.63%	0.170%
67	13.445	1928	1931	1934	rBV	119580	105447	3.81%	0.246%
68	13.498	1938	1940	1943	rBV3	43903	48907	1.77%	0.114%
69	13.598	1954	1957	1959	rBV3	59782	69805	2.52%	0.163%
70	13.721	1976	1978	1983	rVB	192381	199524	7.22%	0.466%
71	13.839	1994	1998	2000	rBV2	168152	213232	7.71%	0.498%

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Misc :
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Instrument : BNA_F
ClientSampleId : DUCT-BANK-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

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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.868	2000	2003	2005	rVV	124173	136132	4.92%	0.318%
73	13.892	2005	2007	2011	rVV2	124965	185317	6.70%	0.432%
74	13.933	2011	2014	2022	rVB	322149	367687	13.30%	0.858%
75	14.086	2033	2040	2043	rBV3	1257811	1946540	70.40%	4.542%
76	14.115	2043	2045	2051	rVB	943548	796894	28.82%	1.859%
77	14.198	2056	2059	2060	rBV	88969	63602	2.30%	0.148%
78	14.245	2065	2067	2069	rVV2	50094	36573	1.32%	0.085%
79	14.315	2075	2079	2082	rVB2	76688	86330	3.12%	0.201%
80	14.415	2093	2096	2098	rBV3	52543	67624	2.45%	0.158%
81	14.445	2098	2101	2102	rVV	63245	64668	2.34%	0.151%
82	14.480	2104	2107	2109	rVV	174249	176772	6.39%	0.412%
83	14.509	2110	2112	2117	rVB2	117813	129300	4.68%	0.302%
84	14.551	2117	2119	2122	rBV3	73412	83297	3.01%	0.194%
85	14.604	2126	2128	2130	rBV	76495	58789	2.13%	0.137%
86	15.151	2217	2221	2224	rBV	630863	910744	32.94%	2.125%
87	15.221	2230	2233	2237	rVB2	126670	161829	5.85%	0.378%
88	15.262	2237	2240	2243	rVB	137553	180144	6.52%	0.420%
89	15.298	2243	2246	2250	rBV5	56425	107579	3.89%	0.251%
90	15.468	2271	2275	2282	rVB	361892	546825	19.78%	1.276%
91	15.533	2282	2286	2292	rBV	488428	665602	24.07%	1.553%
92	15.598	2292	2297	2300	rBV	475935	680446	24.61%	1.588%
93	17.121	2551	2556	2564	rVB2	218614	439445	15.89%	1.025%
94	17.580	2630	2634	2645	rVB	144784	293826	10.63%	0.686%

Sum of corrected areas: 42855377

LSC Report - Integrated Chromatogram

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Acq On : 26 Nov 2019 18:28
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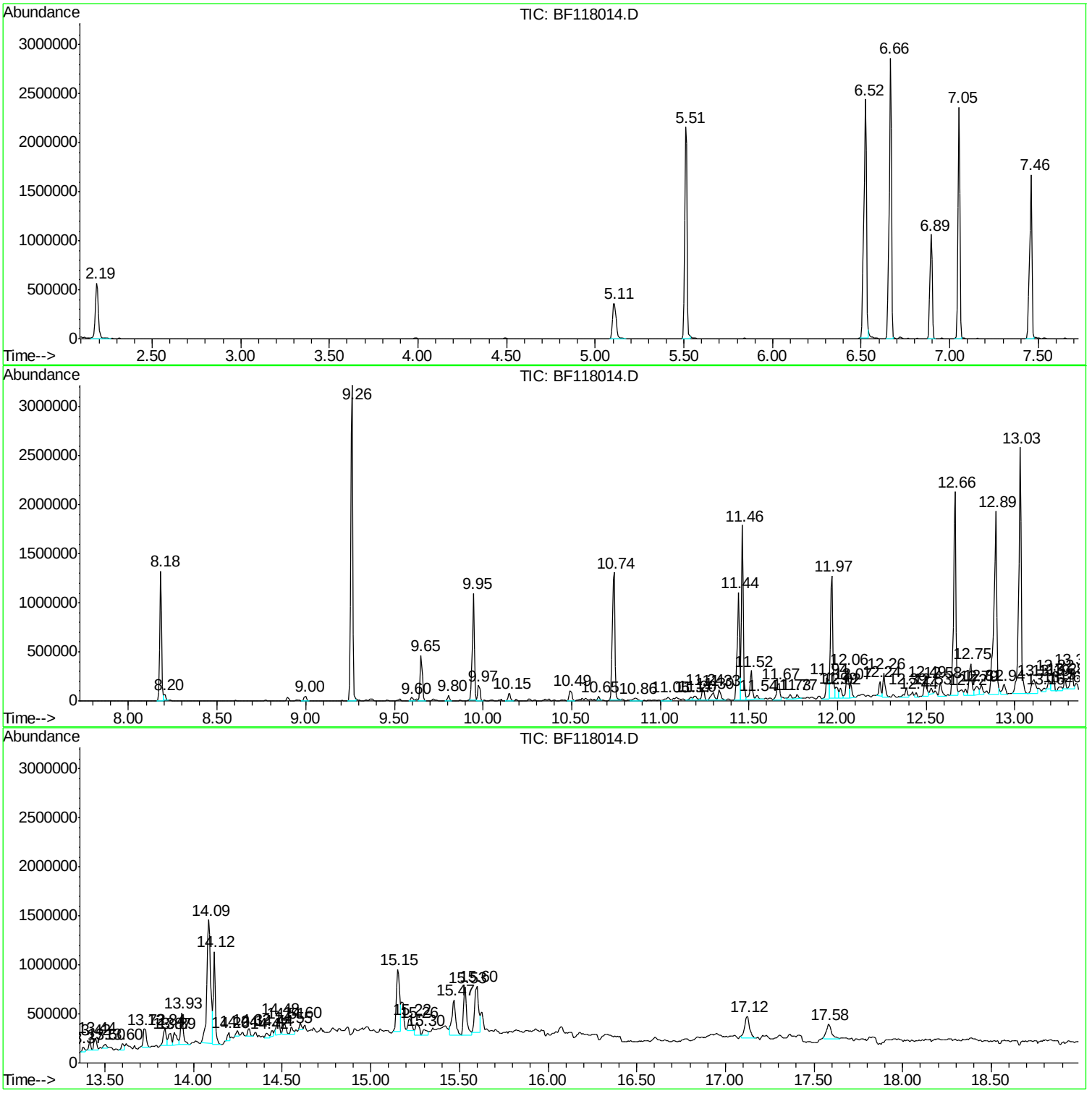
Sample : K5973-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUCT-BANK-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.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\BF112619\
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Acq On : 26 Nov 2019 18:28
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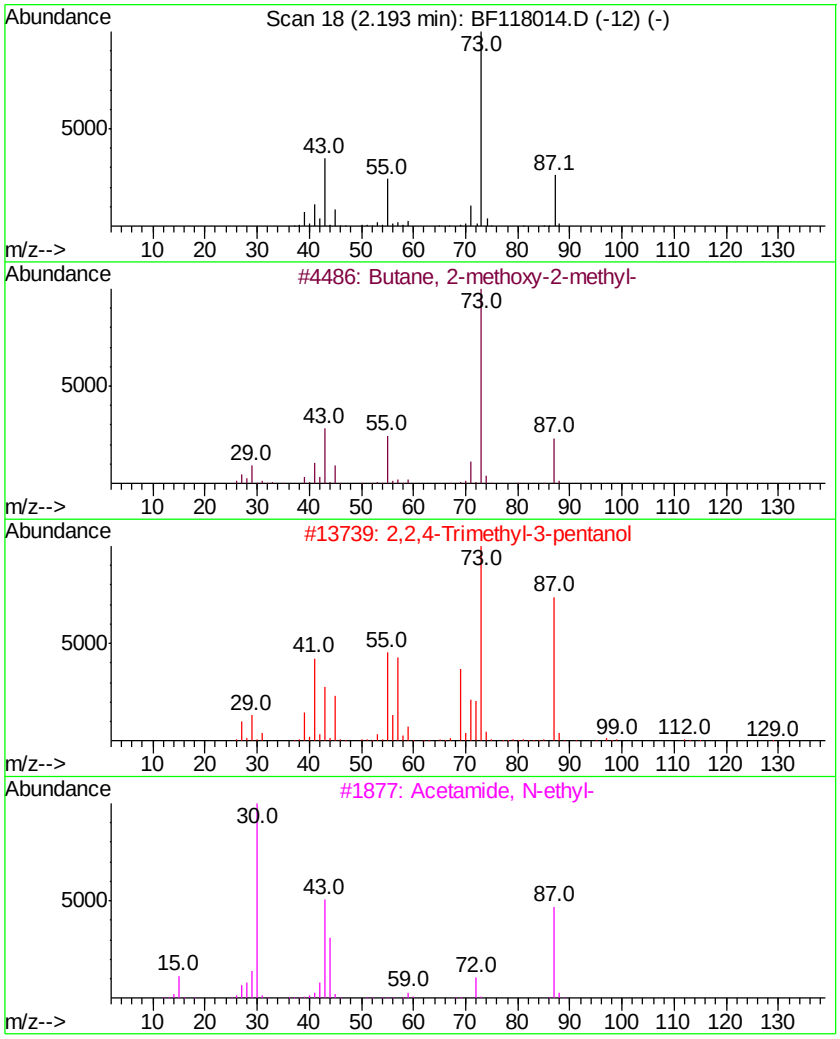
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

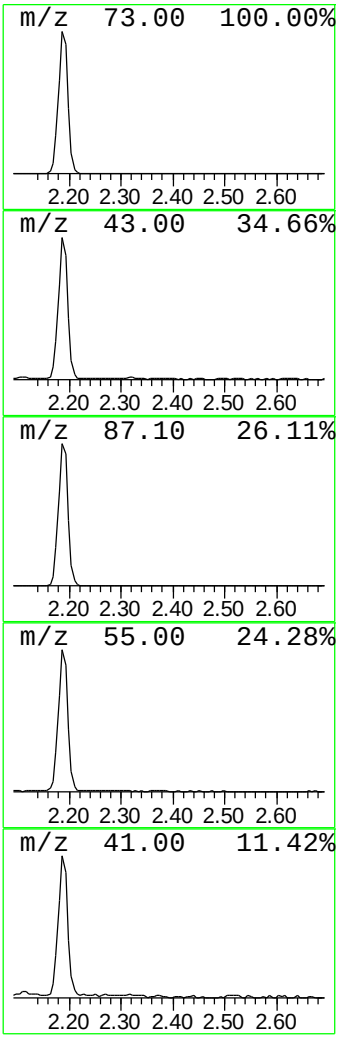
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.19	16.40 ng	720231	1,4-Dichlorobenzene-d4	6.89

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	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5	Borane, dimethoxy-	74	C2H7BO2	004542-61-4	9





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Sample : K5973-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUCT-BANK-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

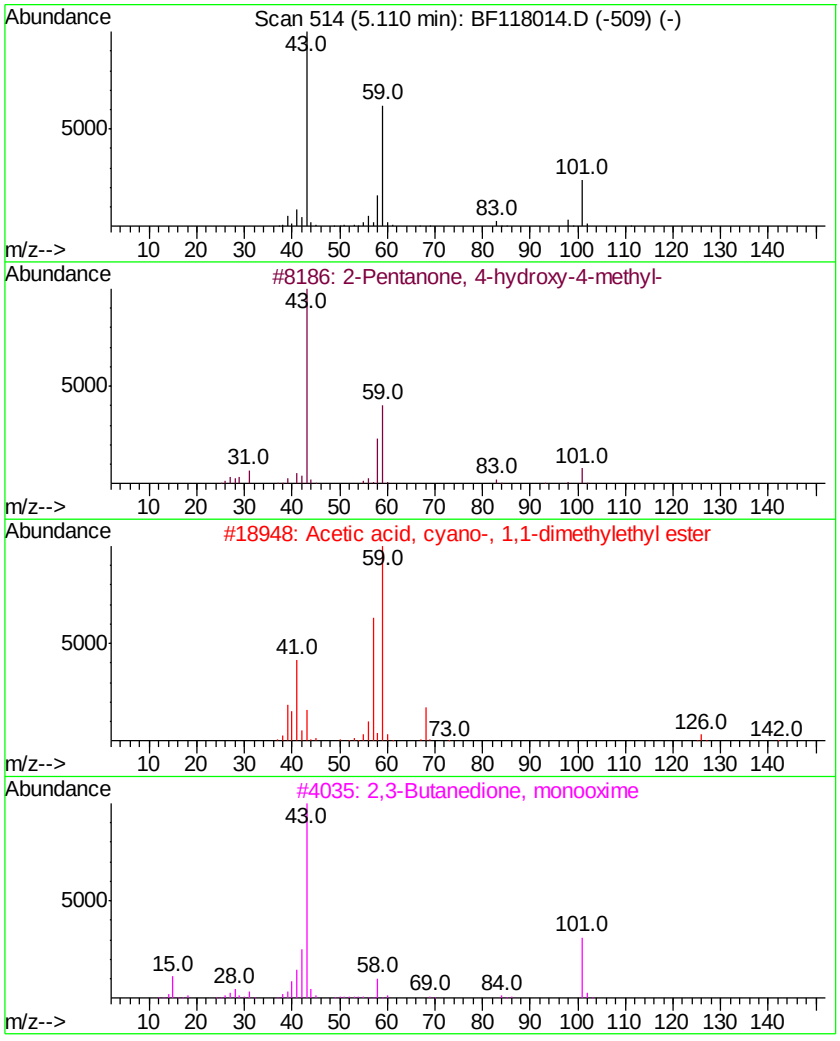
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

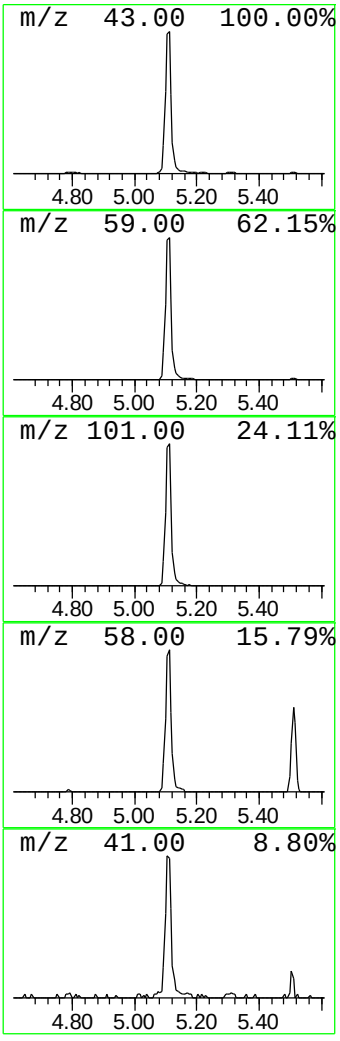
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.11	10.78 ng	473427	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
4	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5	Butane	58	C4H10	000106-97-8	9





Library Search Compound Report

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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

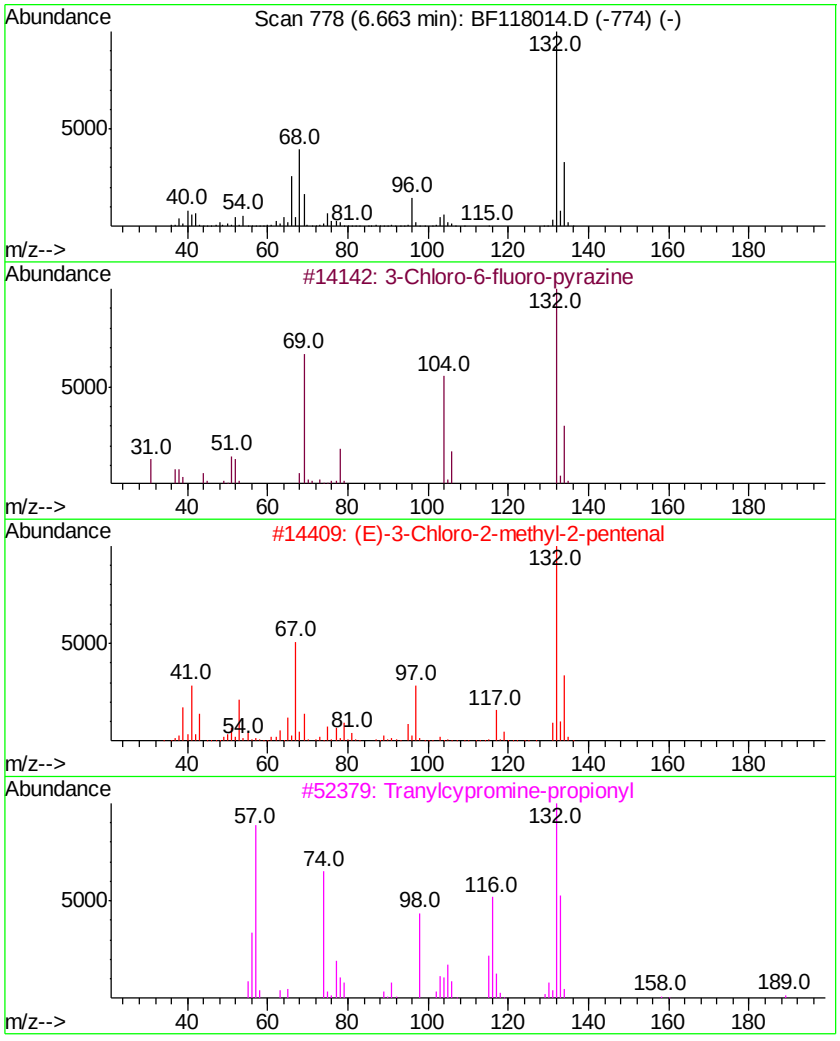
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

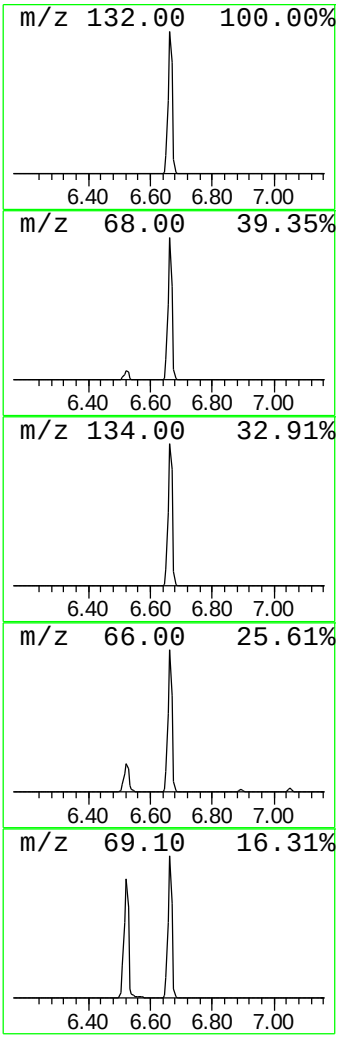
****

Peak Number 3 unknown6.66 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	57.82 ng	2539460	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





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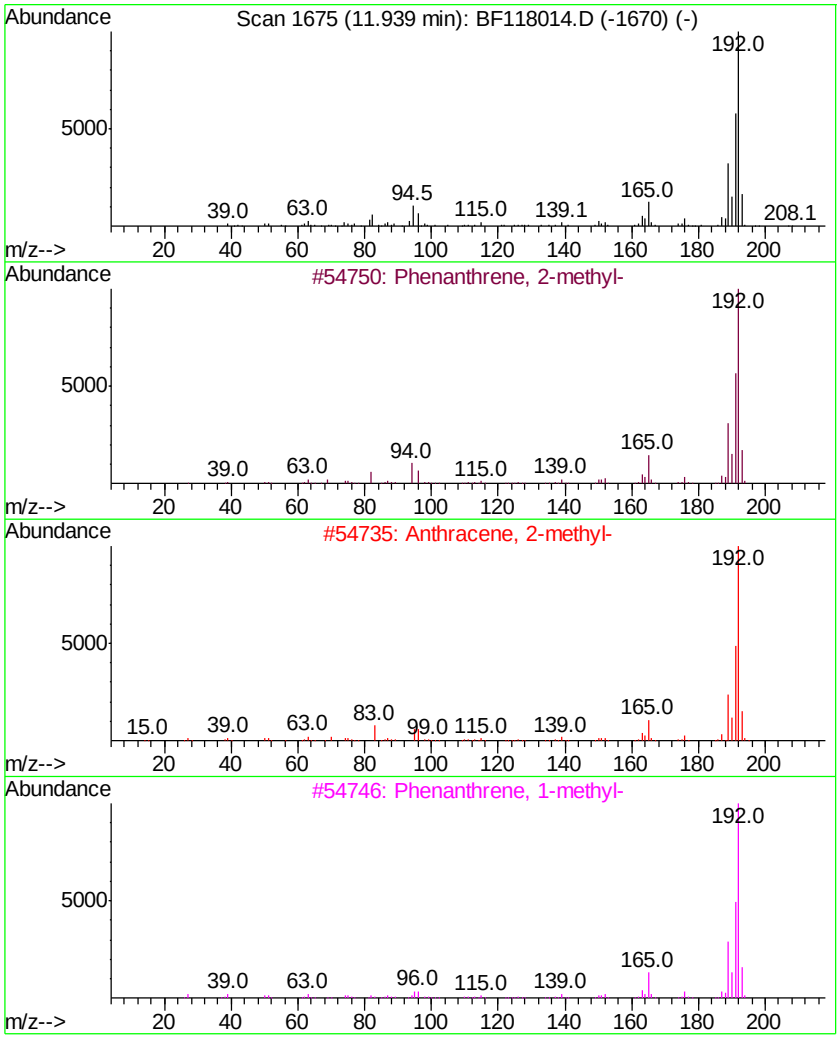
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

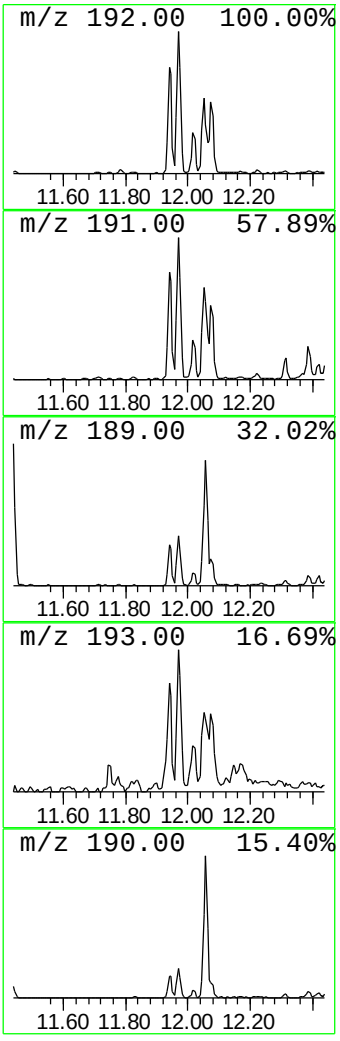
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	5.11 ng	247232	Phenanthrene-d10	11.44

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	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUCT-BANK-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

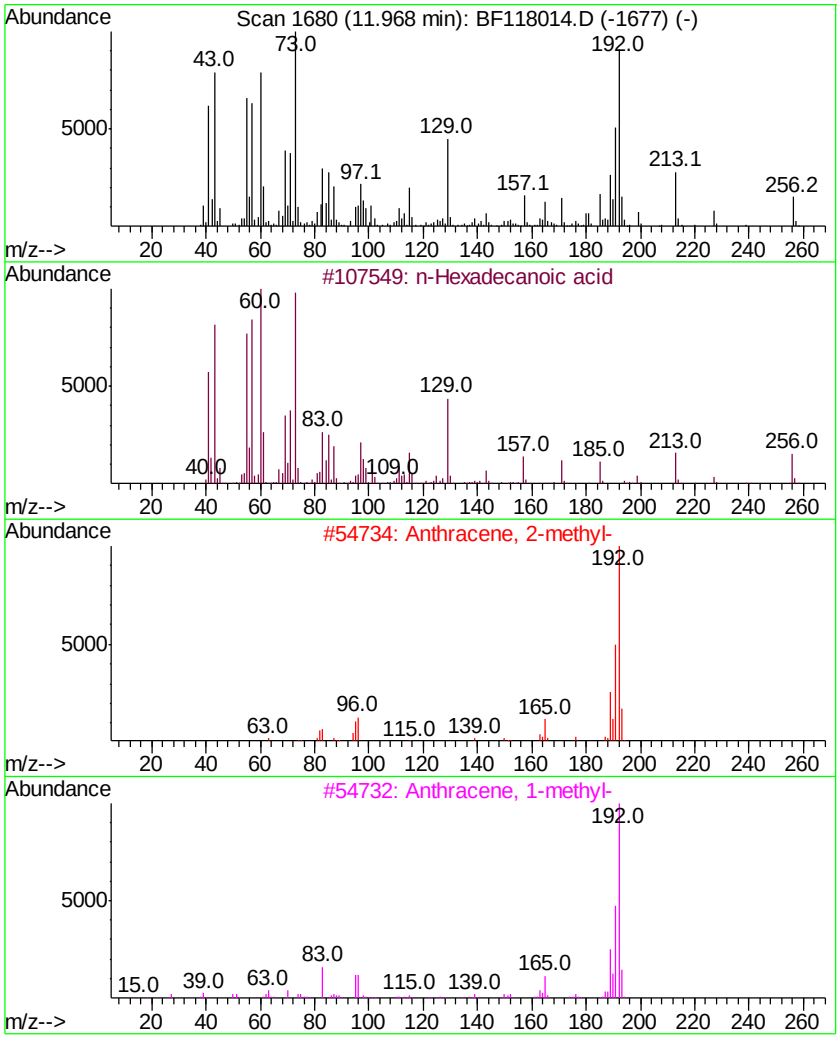
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

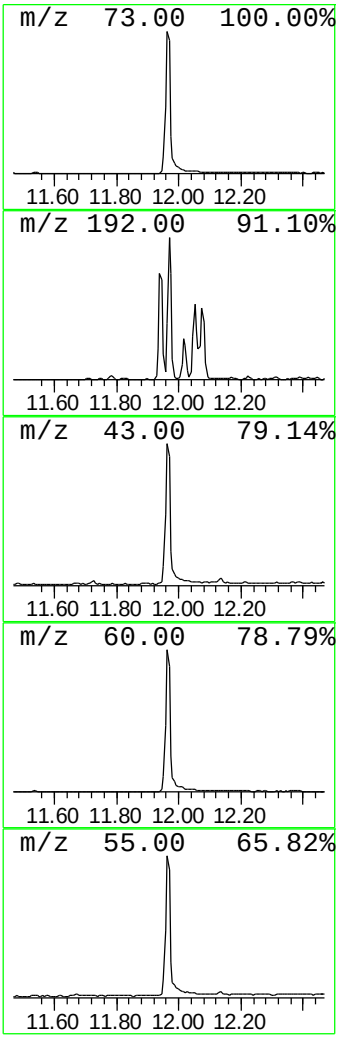
****

Peak Number 6 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	26.29 ng	1272550	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	Tridecanoic acid	214	C13H26O2	000638-53-9	89





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ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUCT-BANK-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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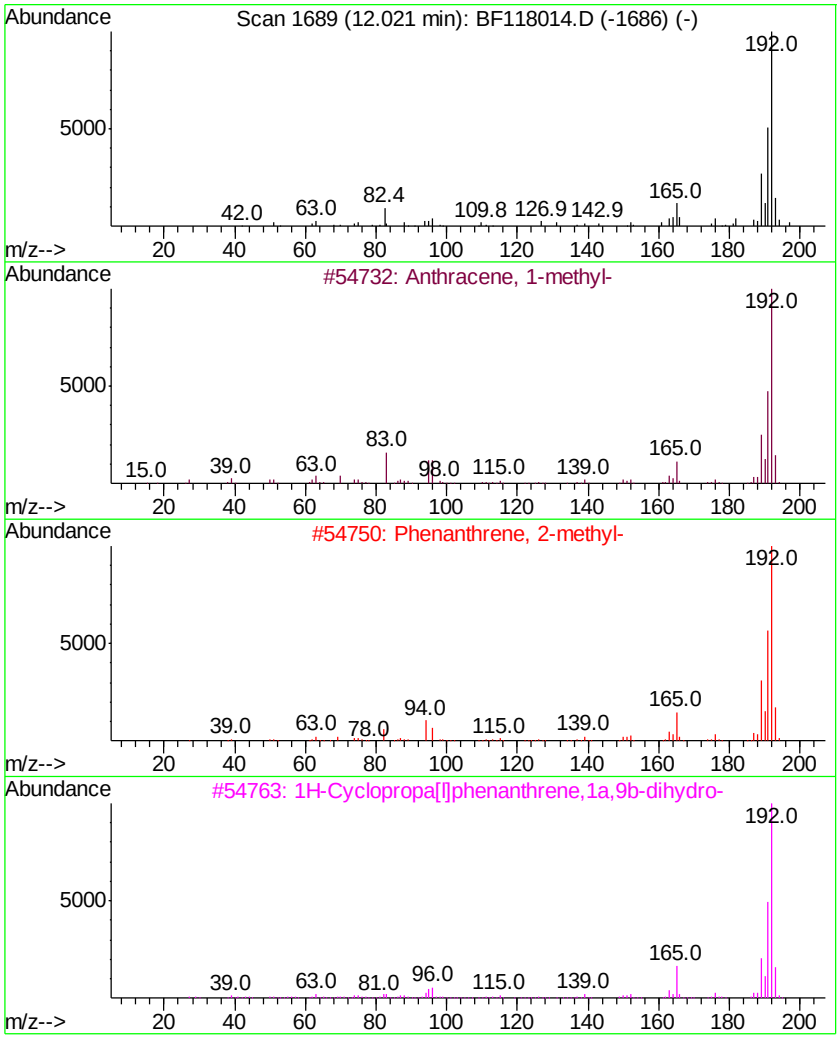
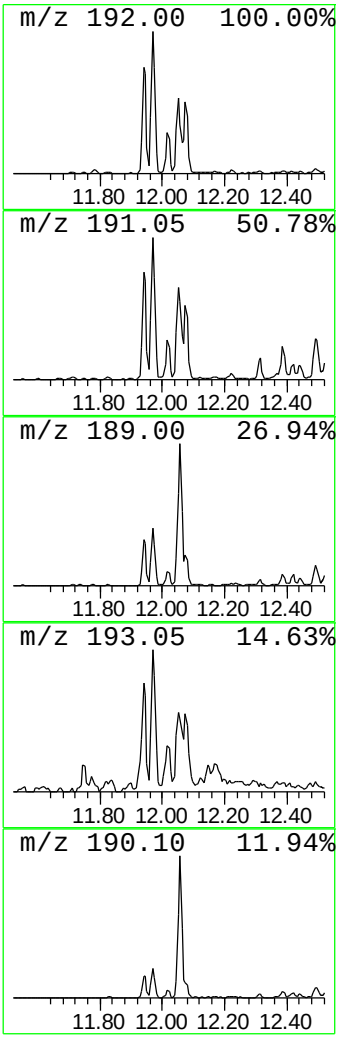
Peak Number 7 Anthracene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	2.22 ng	107637	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





Library Search Compound Report

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Data File : BF118014.D
Acq On : 26 Nov 2019 18:28
Operator : JU
Sample : K5973-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUCT-BANK-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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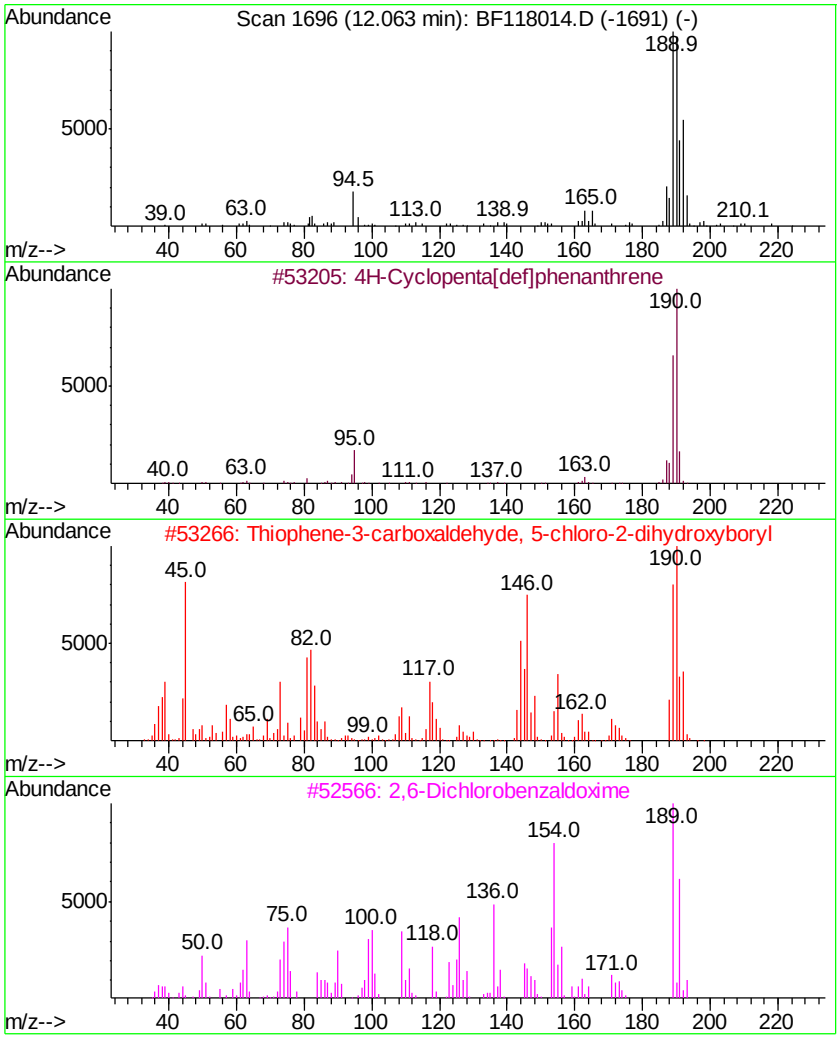
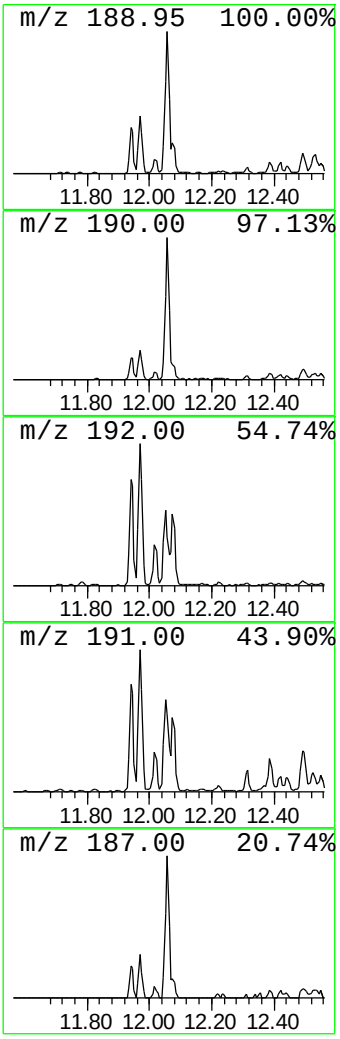
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	6.93 ng	335297	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	42
4	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	40
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38





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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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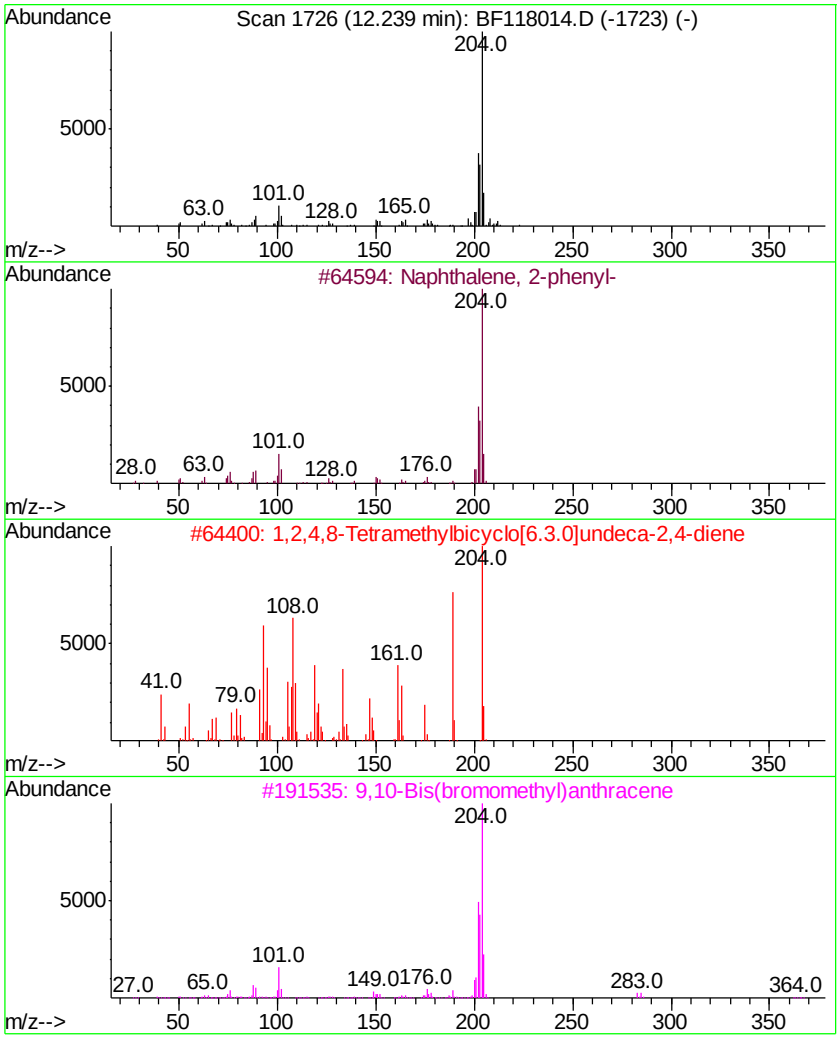
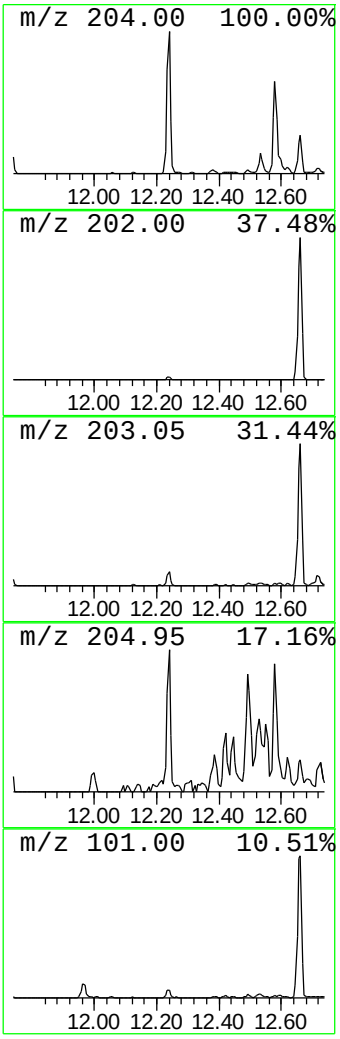
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	2.66 ng	128753	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	86
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64





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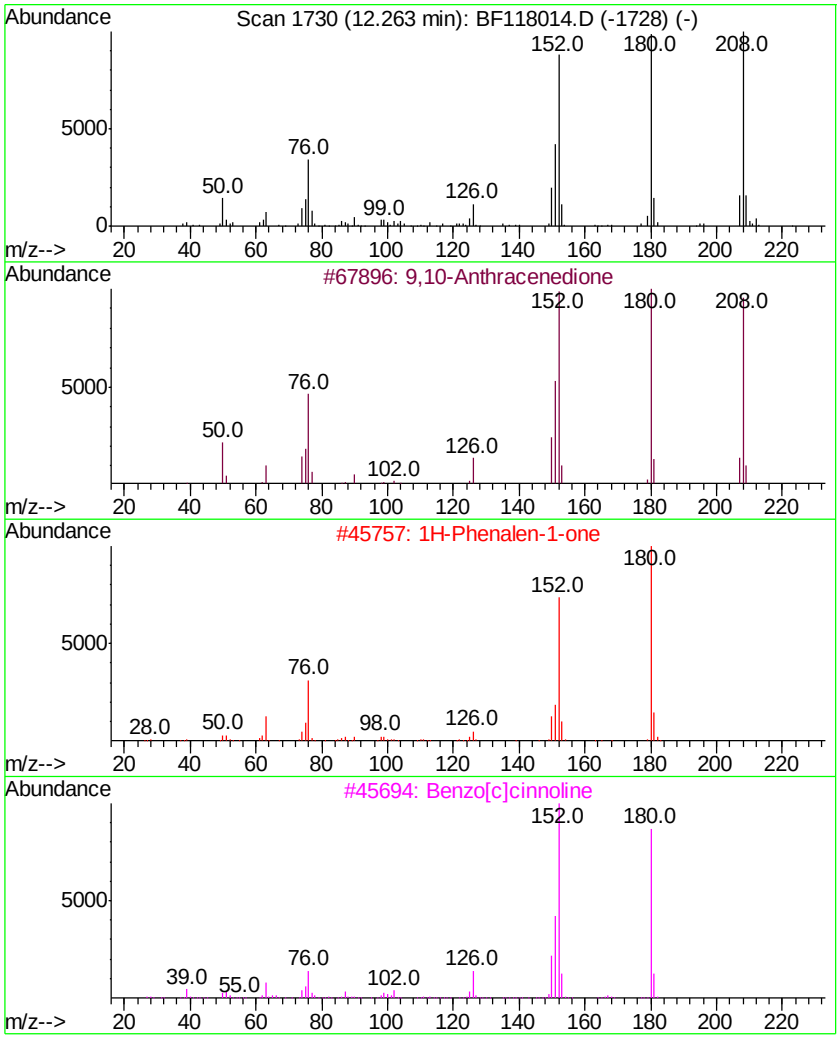
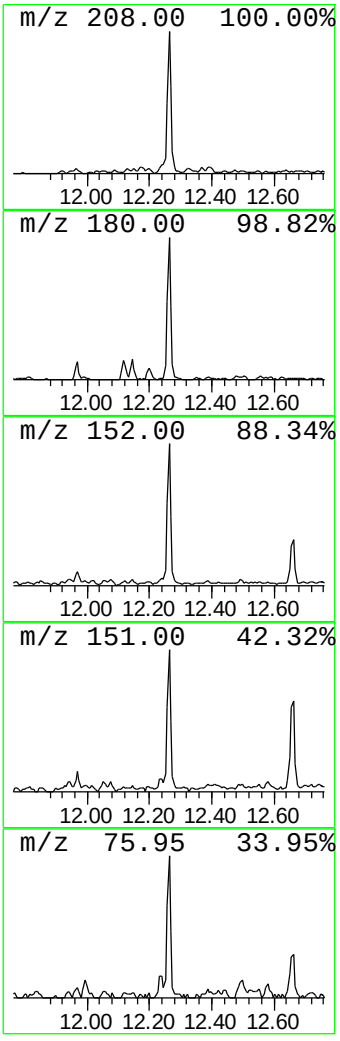
Peak Number 10 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	3.93 ng	190026	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	1H-Phenalen-1-one	180	C13H8O	000548-39-0	83
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	62
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	50





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TIC Integration Parameters: LSCINT.P

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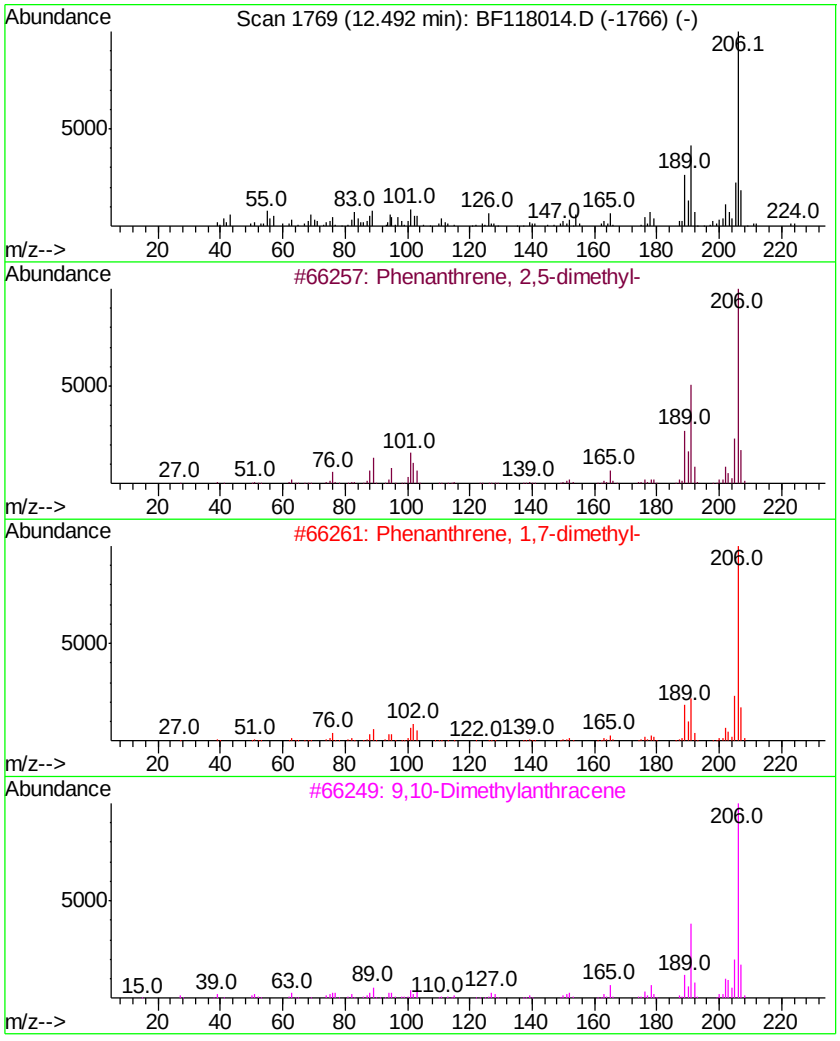
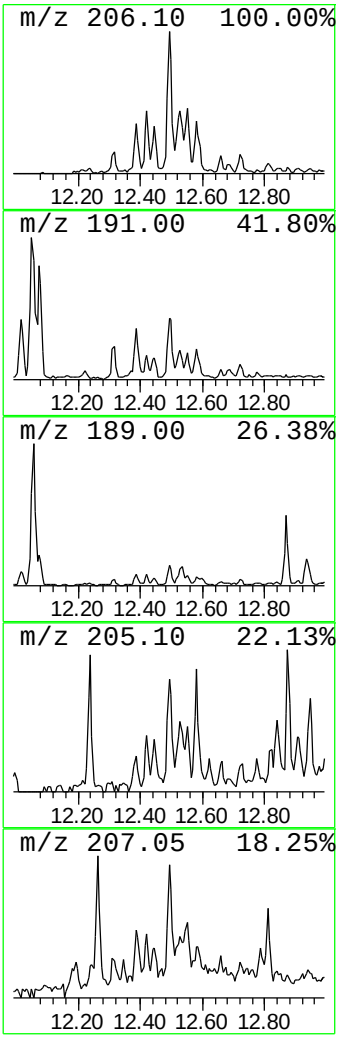
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	3.67 ng	177669	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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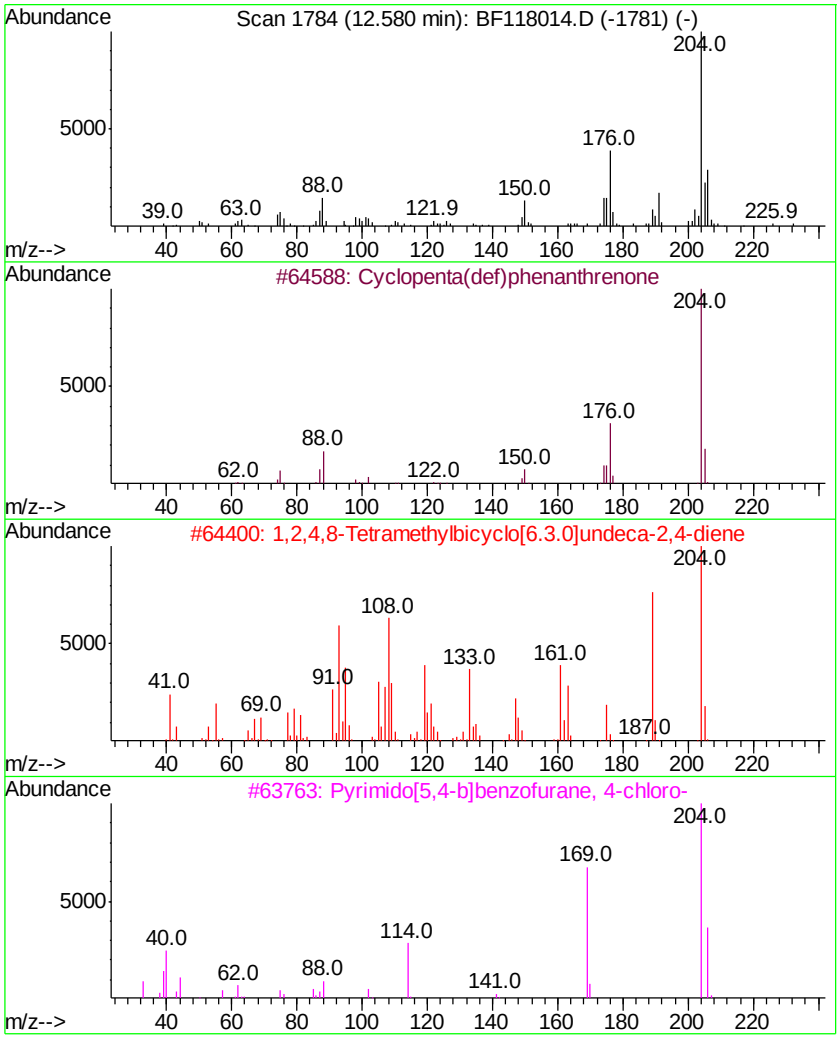
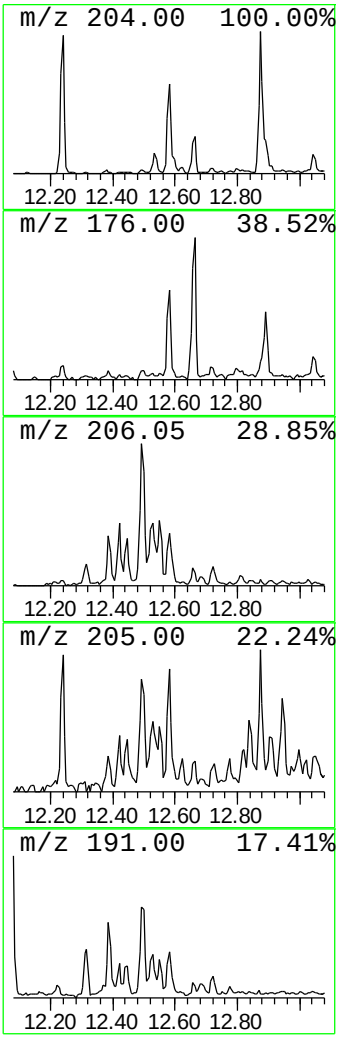
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.58	2.90 ng	140325	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
3	Pyrimido[5,4-b]benzofurane, 4-ch...	204	C10H5ClN2O	039876-88-5	43
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43





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ClientSampleId : DUCT-BANK-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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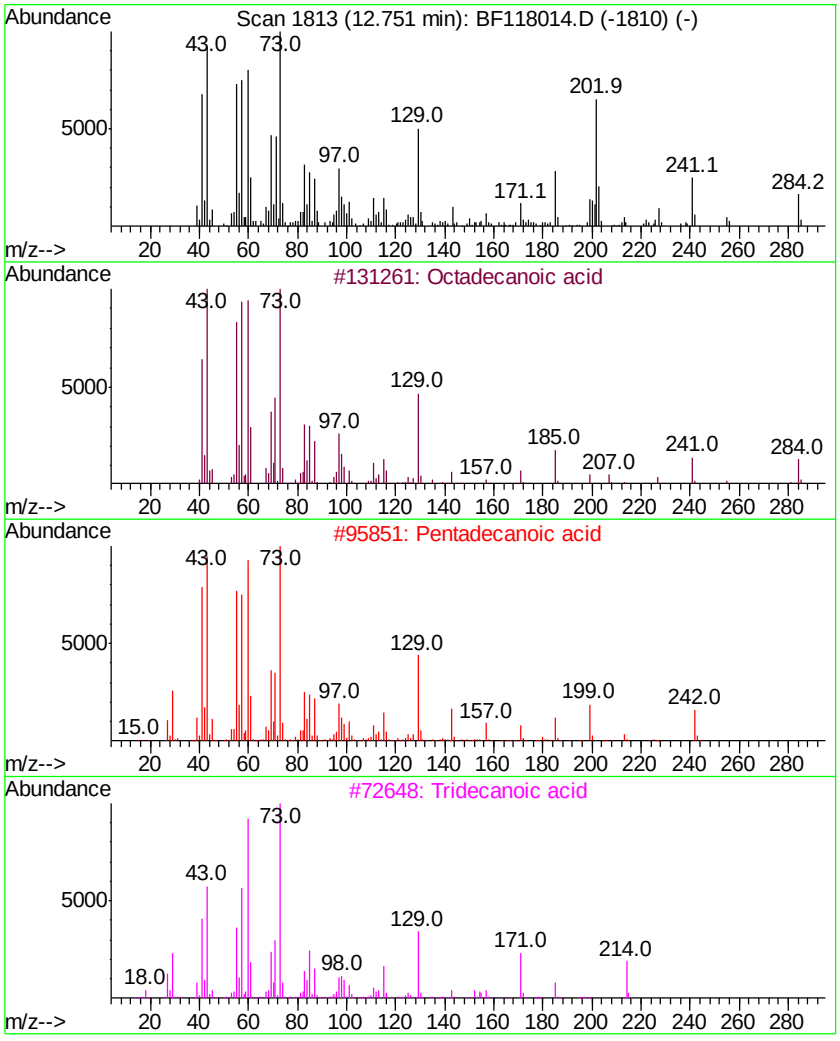
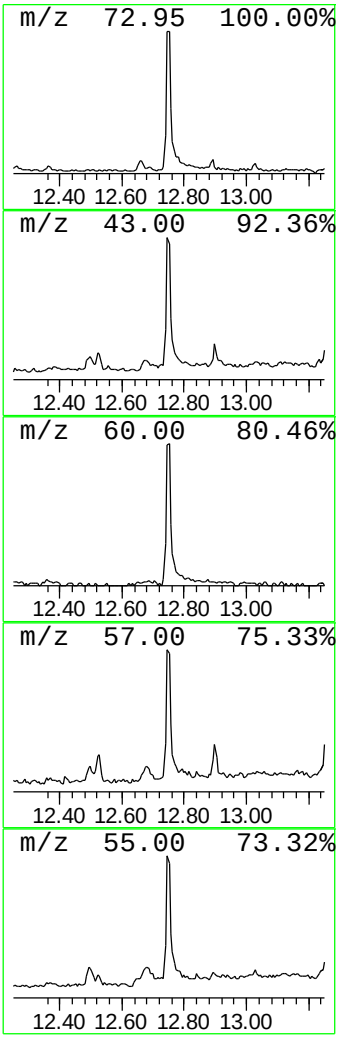
Peak Number 13 Octadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.75	6.84 ng	330906	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
3	Tridecanoic acid	214	C13H26O2	000638-53-9	60
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	58
5	n-Decanoic acid	172	C10H20O2	000334-48-5	50





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ClientSampleId : DUCT-BANK-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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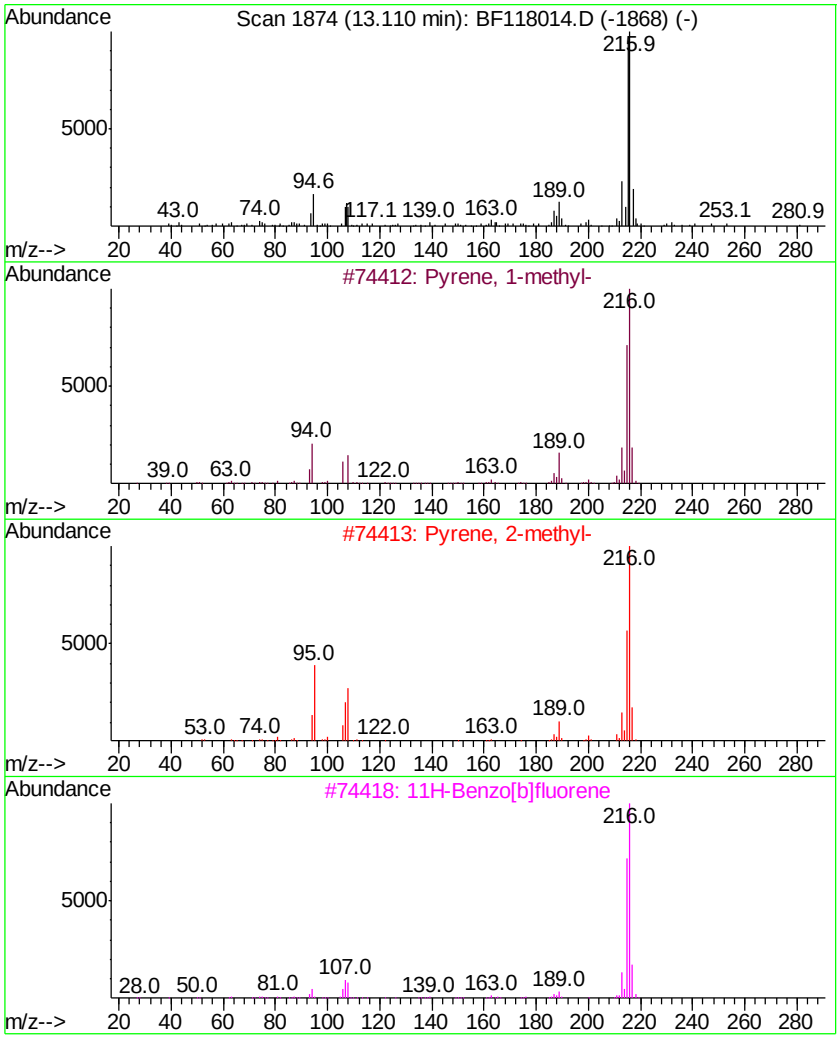
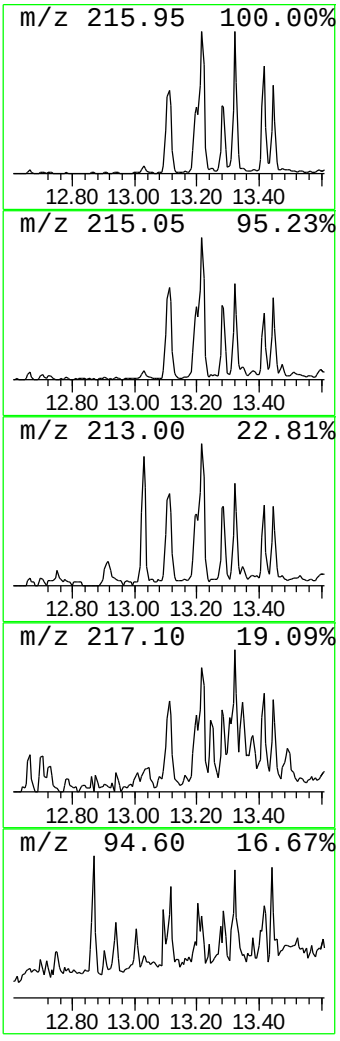
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	2.51 ng	243864	Chrysene-d12	14.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	89





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Misc :
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Instrument : BNA_F
ClientSampleId : DUCT-BANK-2

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TIC Integration Parameters: LSCINT.P

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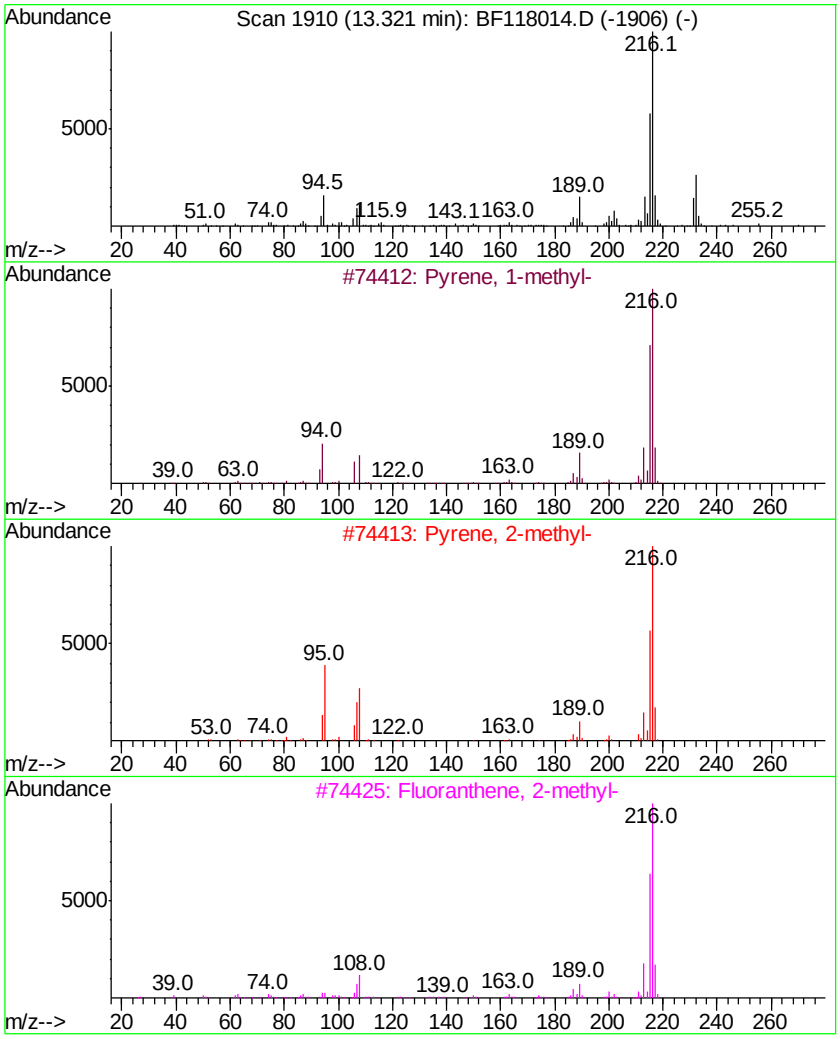
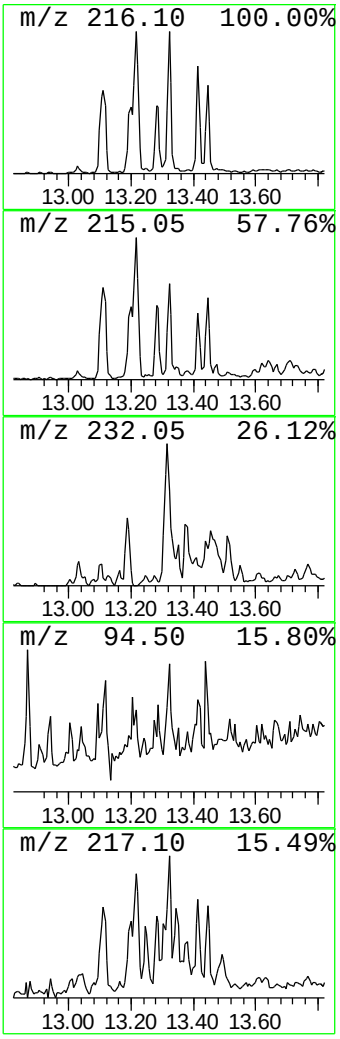
Peak Number 15 Pyrene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.32	2.28 ng	221481	Chrysene-d12	14.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	86
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	76
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74





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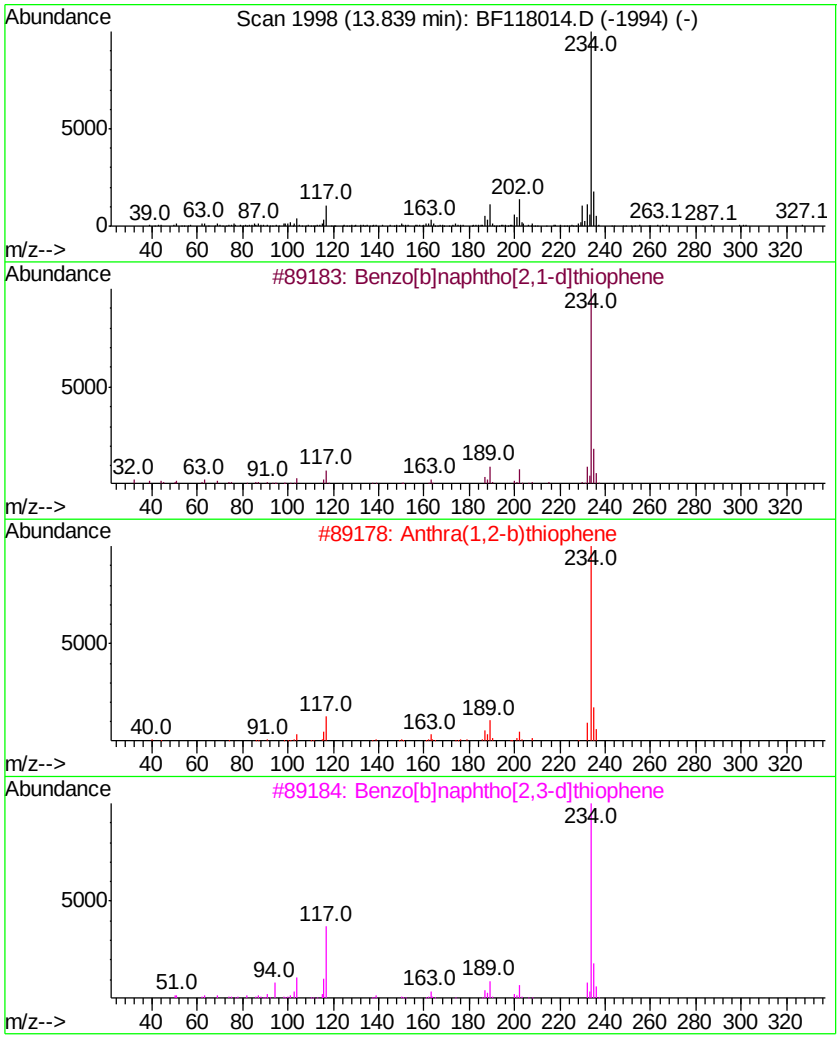
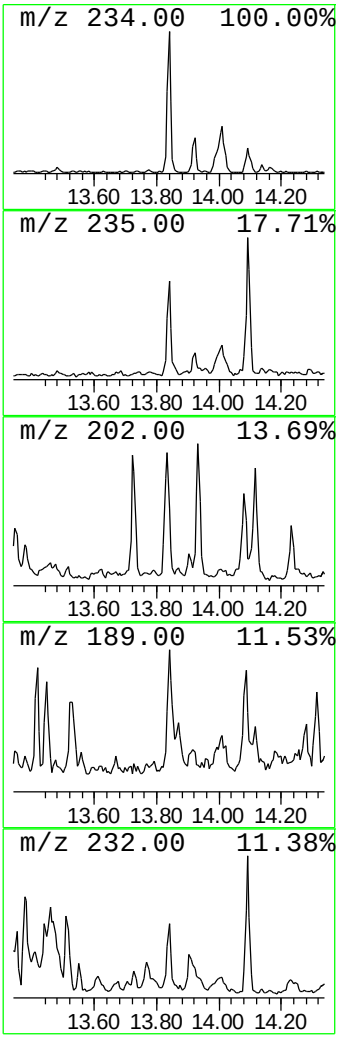
Peak Number 16 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	2.19 ng	213232	Chrysene-d12	14.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
2	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	93
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	90
4	Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	90
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	74





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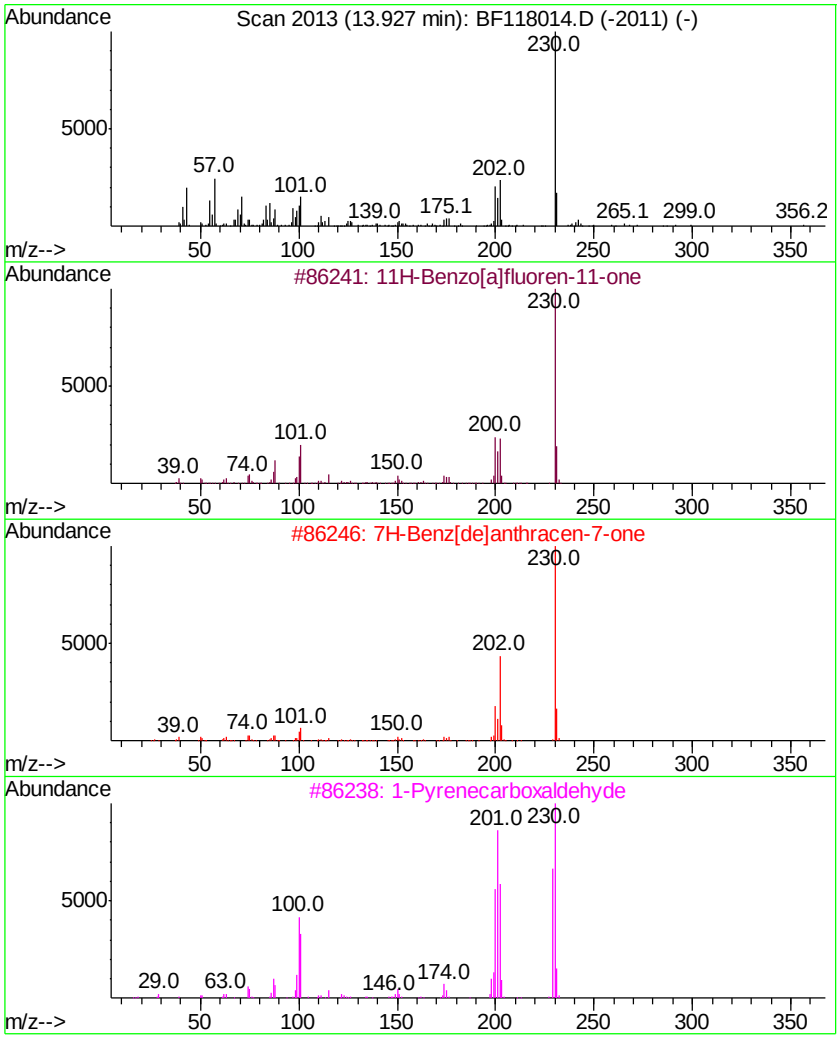
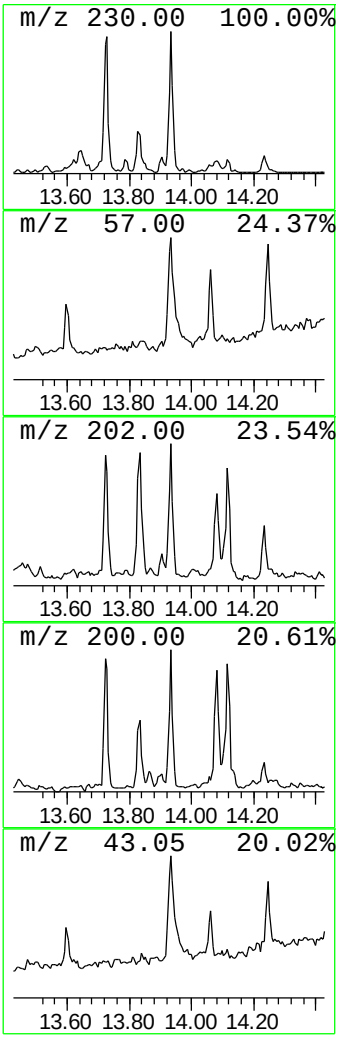
Peak Number 17 11H-Benzo[a]fluoren-11-one Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.93	3.78 ng	367687	Chrysene-d12	14.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	64
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	58
5	o-Terphenyl	230	C18H14	000084-15-1	47





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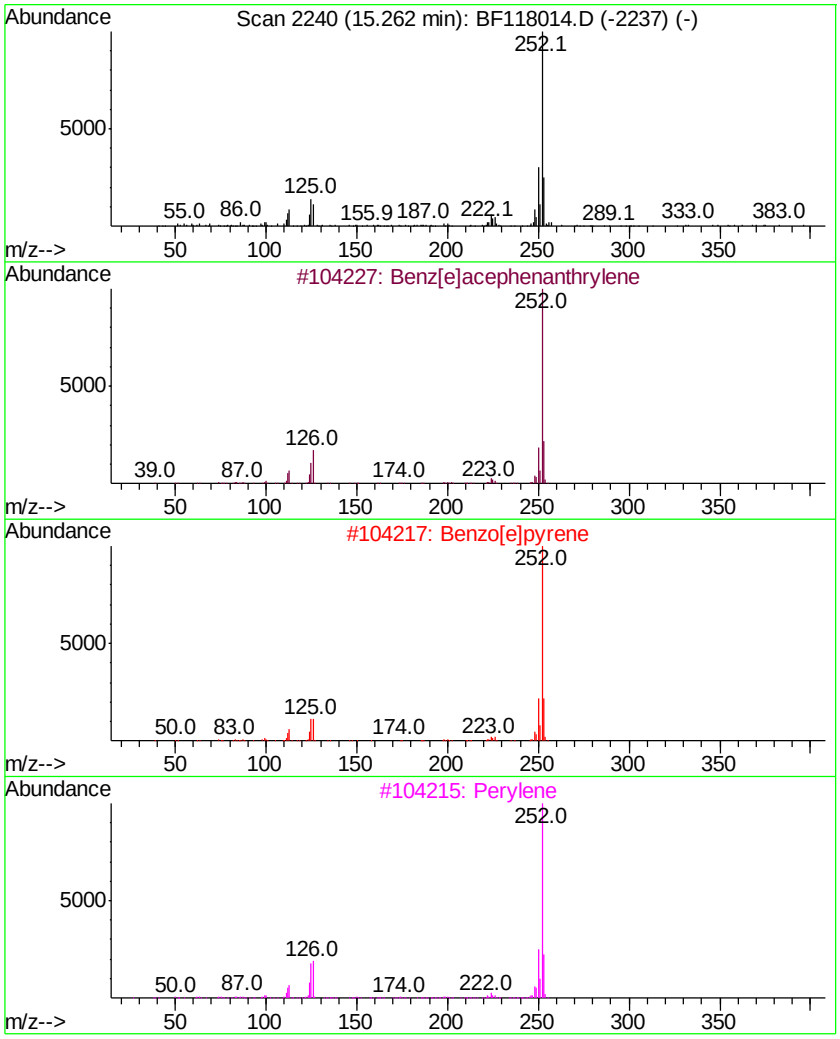
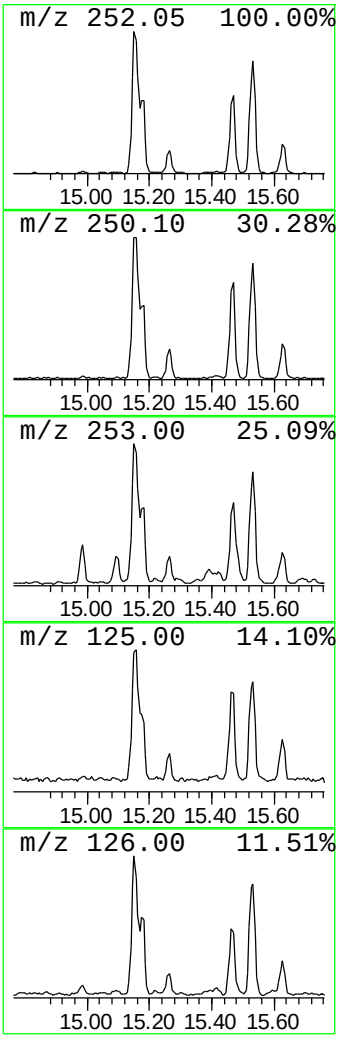
Peak Number 18 Perylene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.26	5.29 ng	180144	Perylene-d12	15.60

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	90
3	Perylene	252	C20H12	000198-55-0	90
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	86





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112619\
Data File : BF118014.D
Acq On : 26 Nov 2019 18:28
Operator : JU
Sample : K5973-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUCT-BANK-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

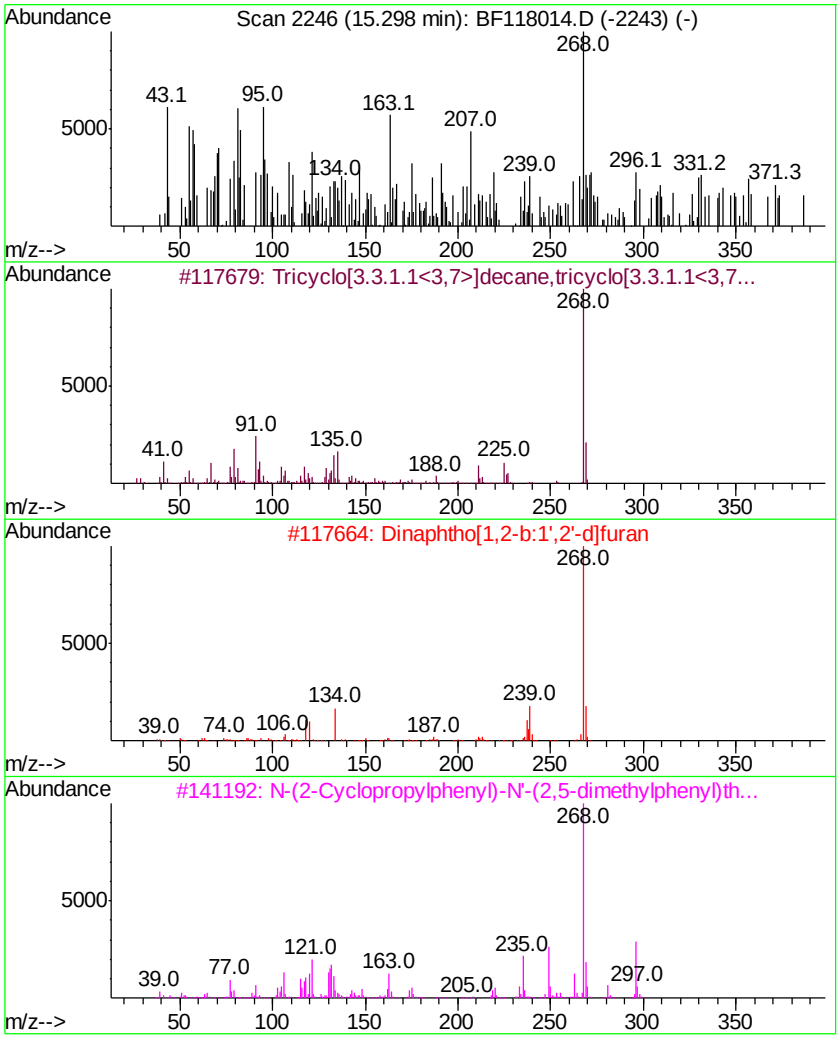
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

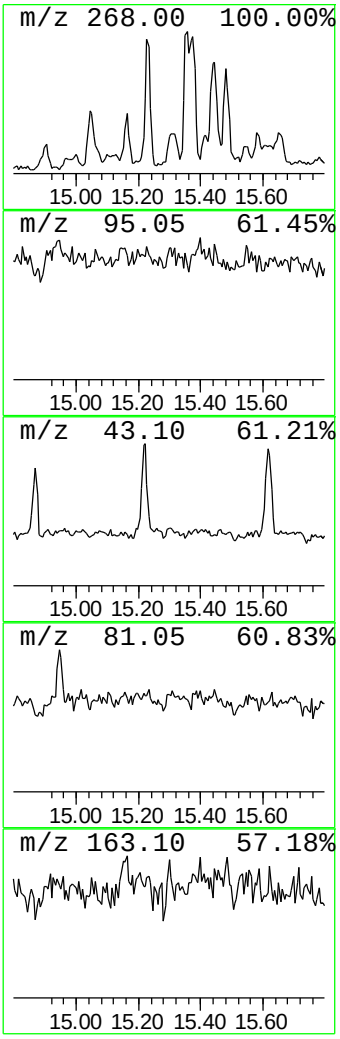
****

Peak Number 19 unknown15.30 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.30	3.16 ng	107579	Perylene-d12	15.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[3.3.1.1<3,7>]decane,tri...	268	C20H28	030541-56-1	35
2	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	35
3	N-(2-Cyclopropylphenyl)-N'-(2,5-...	296	C18H20N2S	1000305-33-1	30
4	Benzenamine, N,N-dimethyl-4-[2-(...	268	C16H16N2O2	004584-57-0	20
5	9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	20





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112619\
Data File : BF118014.D
Acq On : 26 Nov 2019 18:28
Operator : JU
Sample : K5973-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUCT-BANK-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

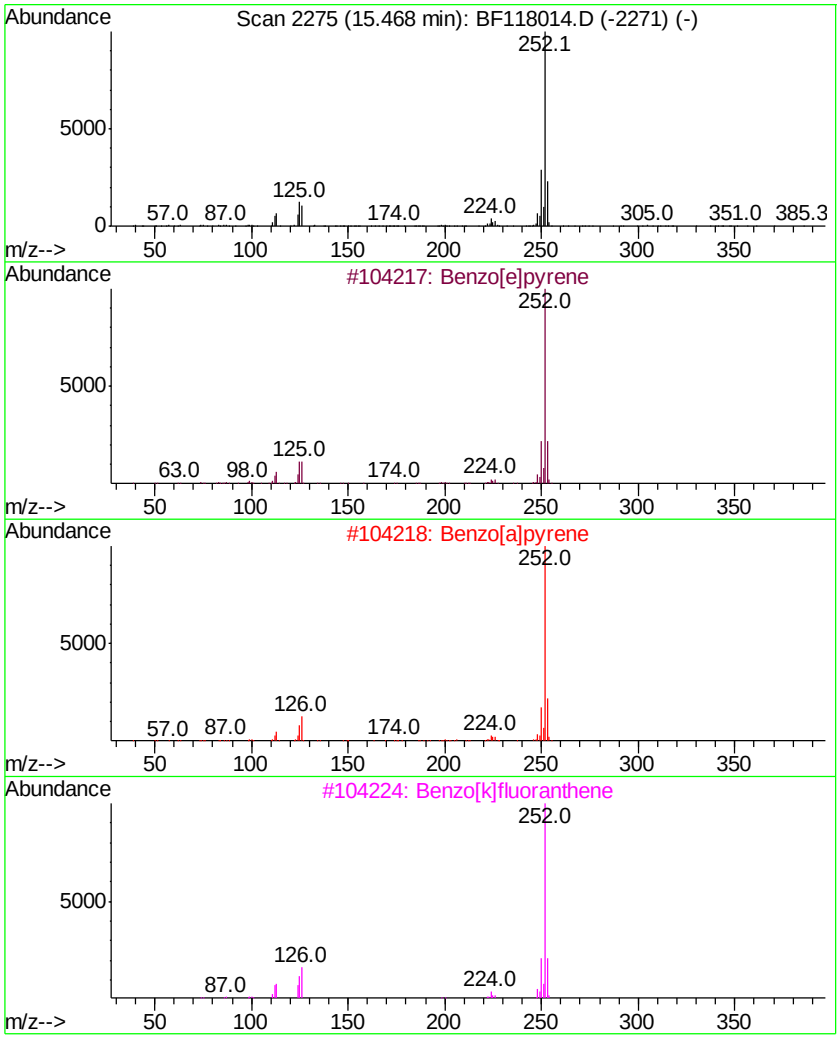
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

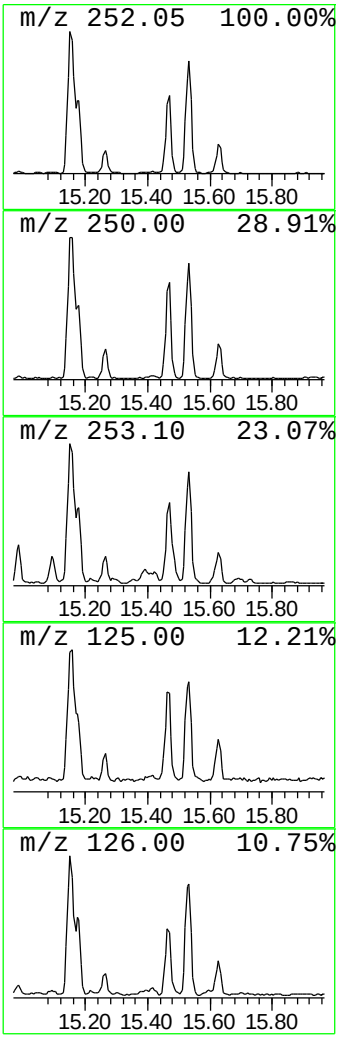
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.47	16.07 ng	546825	Perylene-d12	15.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	98
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF112619\
Data File : BF118014.D
Acq On : 26 Nov 2019 18:28
Operator : JU
Sample : K5973-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUCT-BANK-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.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...	2.19	16.4	ng	720231	1	6.89	878462	20.0
2-Pentanone, 4-hy...	5.11	10.8	ng	473427	1	6.89	878462	20.0
unknown6.66	6.66	57.8	ng	2539460	1	6.89	878462	20.0
Phenanthrene, 2-m...	11.94	5.1	ng	247232	4	11.44	968262	20.0
n-Hexadecanoic acid	11.97	26.3	ng	1272550	4	11.44	968262	20.0
Anthracene, 1-met...	12.02	2.2	ng	107637	4	11.44	968262	20.0
4H-Cyclopenta[def...	12.06	6.9	ng	335297	4	11.44	968262	20.0
Naphthalene, 2-ph...	12.24	2.7	ng	128753	4	11.44	968262	20.0
9,10-Anthracenedione	12.26	3.9	ng	190026	4	11.44	968262	20.0
Phenanthrene, 2,5...	12.49	3.7	ng	177669	4	11.44	968262	20.0
Cyclopenta(def)ph...	12.58	2.9	ng	140325	4	11.44	968262	20.0
Octadecanoic acid	12.75	6.8	ng	330906	4	11.44	968262	20.0
Pyrene, 1-methyl-	13.11	2.5	ng	243864	5	14.09	1946540	20.0
Pyrene, 2-methyl-	13.32	2.3	ng	221481	5	14.09	1946540	20.0
Benzo[b]naphtho[2...	13.84	2.2	ng	213232	5	14.09	1946540	20.0
11H-Benzo[a]fluor...	13.93	3.8	ng	367687	5	14.09	1946540	20.0
Perylene	15.26	5.3	ng	180144	6	15.60	680446	20.0
unknown15.30	15.30	3.2	ng	107579	6	15.60	680446	20.0
Benzo[e]pyrene	15.47	16.1	ng	546825	6	15.60	680446	20.0