LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
Data File : BF118310.D
Acq On : 26 Dec 2019 12:17
Operator : JU
Sample : K6414-07
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K183-WC-01

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-BF122419.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.046	499	503	519	rVB	359315	460110	5.89%	0.466%
2	5.463	570	574	590	rBV	2390196	2381744	30.47%	2.414%
3	6.481	742	747	766	rBV	2667218	2633509	33.69%	2.669%
4	6.616	766	770	773	rBV	3302814	2714398	34.73%	2.751%
5	6.845	806	809	817	rBV	780204	673056	8.61%	0.682%
6	7.004	832	836	839	rBV	2598506	2056064	26.30%	2.084%
7	7.410	901	905	916	rBV	1638115	1590342	20.35%	1.612%
8	8.134	1025	1028	1030	rBV	1128408	916558	11.73%	0.929%
9	8.157	1030	1032	1039	rVB	783960	630081	8.06%	0.639%
10	8.851	1147	1150	1157	rBV	467346	371718	4.76%	0.377%
11	8.951	1163	1167	1177	rVB	374821	334222	4.28%	0.339%
12	9.210	1207	1211	1215	rBV	3404035	3081727	39.42%	3.123%
13	9.486	1252	1258	1262	rVV2	163613	233568	2.99%	0.237%
14	9.551	1266	1269	1272	rVV	304860	309980	3.97%	0.314%
15	9.581	1272	1274	1276	rVV	214272	172060	2.20%	0.174%
16	9.610	1276	1279	1283	rVV	220041	202515	2.59%	0.205%
17	9.669	1285	1289	1298	rVV2	161608	217237	2.78%	0.220%
18	9.892	1318	1327	1330	rBV	1225929	1225042	15.67%	1.241%
19	9.928	1330	1333	1337	rVB	1583741	1268220	16.22%	1.285%
20	10.098	1358	1362	1367	rVV	824414	803792	10.28%	0.815%
21	10.445	1417	1421	1426	rBV	1318652	1118746	14.31%	1.134%
22	10.604	1445	1448	1453	rVB	351392	315686	4.04%	0.320%
23	10.686	1458	1462	1467	rVV	2866340	2758725	35.29%	2.796%
24	10.992	1508	1514	1517	rBV3	242939	390563	5.00%	0.396%
25	11.122	1531	1536	1538	rBV3	194854	241924	3.09%	0.245%
26	11.145	1538	1540	1546	rVV	191669	229852	2.94%	0.233%
27	11.192	1546	1548	1552	rVV	375045	365806	4.68%	0.371%
28	11.233	1552	1555	1559	rVV2	185231	250985	3.21%	0.254%
29	11.286	1560	1564	1569	rVB	483091	488960	6.26%	0.495%
30	11.392	1578	1582	1583	rBV	1203351	1145205	14.65%	1.161%
31	11.422	1583	1587	1590	rVV	7367736	7816726	100.00%	7.921%
32	11.469	1590	1595	1598	rVV	2827819	2385201	30.51%	2.417%
33	11.504	1598	1601	1606	rVB2	161490	200021	2.56%	0.203%
34	11.622	1616	1621	1629	rBV2	895165	1011043	12.93%	1.025%

LSC Area Percent Report

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Acq On : 26 Dec 2019 12:17
Operator : JU
Sample : K6414-07
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K183-WC-01

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-BF122419.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.680	1629	1631	1636	rVV3	178094	201859	2.58%	0.205%
36	11.722	1636	1638	1643	rVB5	126117	174527	2.23%	0.177%
37	11.892	1662	1667	1669	rBV	901396	822526	10.52%	0.834%
38	11.922	1669	1672	1676	rVV	1417290	1385347	17.72%	1.404%
39	11.969	1676	1680	1683	rVV	577513	487959	6.24%	0.494%
40	12.004	1683	1686	1689	rVV	1242185	1451080	18.56%	1.470%
41	12.027	1689	1690	1694	rVB	580167	339419	4.34%	0.344%
42	12.186	1714	1717	1720	rVB	638729	499123	6.39%	0.506%
43	12.216	1720	1722	1726	rVB	404553	362760	4.64%	0.368%
44	12.339	1738	1743	1746	rBV3	178316	221292	2.83%	0.224%
45	12.445	1757	1761	1763	rBV	359837	397273	5.08%	0.403%
46	12.480	1763	1767	1769	rVV3	213435	301524	3.86%	0.306%
47	12.539	1773	1777	1781	rVB3	301864	379860	4.86%	0.385%
48	12.621	1785	1791	1793	rBV	6205146	7149582	91.47%	7.245%
49	12.757	1808	1814	1818	rBV3	260607	340558	4.36%	0.345%
50	12.851	1823	1830	1834	rBV2	5573014	7273644	93.05%	7.371%
51	12.886	1834	1836	1841	rVB2	360472	375182	4.80%	0.380%
52	12.980	1844	1852	1854	rBV	4102977	3910581	50.03%	3.963%
53	12.998	1854	1855	1860	rVB	394684	340962	4.36%	0.346%
54	13.057	1860	1865	1869	rBV2	372553	672345	8.60%	0.681%
55	13.145	1876	1880	1881	rBV2	357716	406789	5.20%	0.412%
56	13.169	1881	1884	1887	rVB	752672	699875	8.95%	0.709%
57	13.233	1892	1895	1897	rBV	487276	356771	4.56%	0.362%
58	13.269	1897	1901	1904	rBV2	530572	623516	7.98%	0.632%
59	13.363	1914	1917	1920	rBV	282173	252559	3.23%	0.256%
60	13.398	1920	1923	1926	rBV2	280868	313803	4.01%	0.318%
61	13.545	1945	1948	1950	rBV2	157377	178936	2.29%	0.181%
62	13.680	1968	1971	1975	rVB	488126	444482	5.69%	0.450%
63	13.786	1985	1989	1992	rBV	460294	508536	6.51%	0.515%
64	13.816	1992	1994	1996	rVV	539928	440447	5.63%	0.446%
65	13.839	1996	1998	2000	rVV	384378	409415	5.24%	0.415%
66	13.868	2001	2003	2005	rVV	502794	606724	7.76%	0.615%
67	13.892	2005	2007	2013	rVB	565143	546557	6.99%	0.554%
68	13.957	2013	2018	2024	rBV	114508	216758	2.77%	0.220%
69	14.039	2024	2032	2035	rBV2	3036275	4580157	58.59%	4.641%
70	14.074	2035	2038	2045	rVV	2477464	2456122	31.42%	2.489%
71	14.151	2048	2051	2054	rVV	528804	476261	6.09%	0.483%

LSC Area Percent Report

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Sample : K6414-07
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K183-WC-01

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
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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.192	2055	2058	2061	rVV3	294532	330704	4.23%	0.335%
73	14.233	2063	2065	2067	rVV	212347	186207	2.38%	0.189%
74	14.268	2067	2071	2074	rVV2	246392	329996	4.22%	0.334%
75	14.392	2089	2092	2094	rVV2	199344	187432	2.40%	0.190%
76	14.427	2094	2098	2101	rVV	503860	577285	7.39%	0.585%
77	14.463	2101	2104	2107	rVV	252396	253523	3.24%	0.257%
78	14.498	2107	2110	2113	rVV2	368189	467433	5.98%	0.474%
79	14.527	2113	2115	2117	rVV	198912	179037	2.29%	0.181%
80	14.557	2117	2120	2122	rVV	238332	258982	3.31%	0.262%
81	14.574	2122	2123	2127	rVV2	232002	190314	2.43%	0.193%
82	14.627	2127	2132	2134	rVB2	145915	182388	2.33%	0.185%
83	14.751	2150	2153	2155	rBV	162584	172678	2.21%	0.175%
84	14.810	2160	2163	2167	rVB2	345282	343138	4.39%	0.348%
85	14.933	2180	2184	2190	rVB2	181903	263415	3.37%	0.267%
86	15.098	2206	2212	2215	rBV	1693681	2806814	35.91%	2.844%
87	15.151	2219	2221	2227	rVB2	403621	468697	6.00%	0.475%
88	15.204	2227	2230	2234	rVB	359177	363556	4.65%	0.368%
89	15.404	2259	2264	2270	rVB	995372	1389203	17.77%	1.408%
90	15.468	2270	2275	2280	rBV	1590620	1912619	24.47%	1.938%
91	15.533	2280	2286	2288	rBV2	915469	1289332	16.49%	1.307%
92	15.562	2288	2291	2298	rVB	459817	671242	8.59%	0.680%
93	15.980	2355	2362	2366	rBV	258028	436744	5.59%	0.443%
94	16.492	2444	2449	2454	rVB2	105067	187781	2.40%	0.190%
95	16.821	2500	2505	2509	rBV2	87702	184791	2.36%	0.187%
96	17.033	2533	2541	2547	rBV2	699850	1354507	17.33%	1.373%
97	17.204	2563	2570	2575	rBV	150371	320607	4.10%	0.325%
98	17.262	2575	2580	2585	rVB2	103085	178153	2.28%	0.181%
99	17.480	2610	2617	2627	rVB	558210	1151547	14.73%	1.167%
100	17.721	2652	2658	2676	rVB2	162152	442708	5.66%	0.449%

Sum of corrected areas: 98681330

LSC Report - Integrated Chromatogram

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Acq On : 26 Dec 2019 12:17
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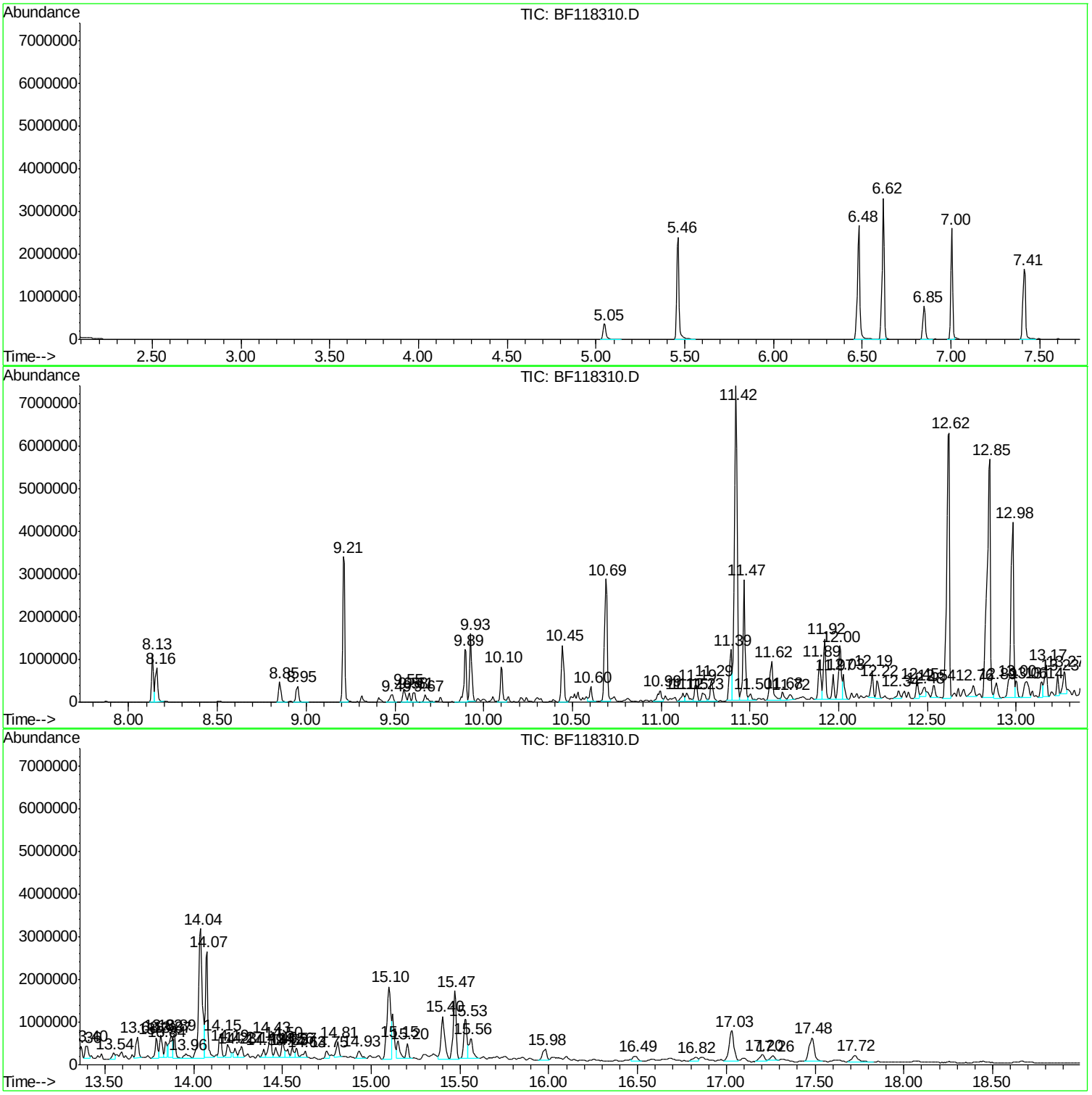
Sample : K6414-07
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K183-WC-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.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\BF122619\
Data File : BF118310.D
Acq On : 26 Dec 2019 12:17
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Instrument : BNA_F
ClientSampleId : K183-WC-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

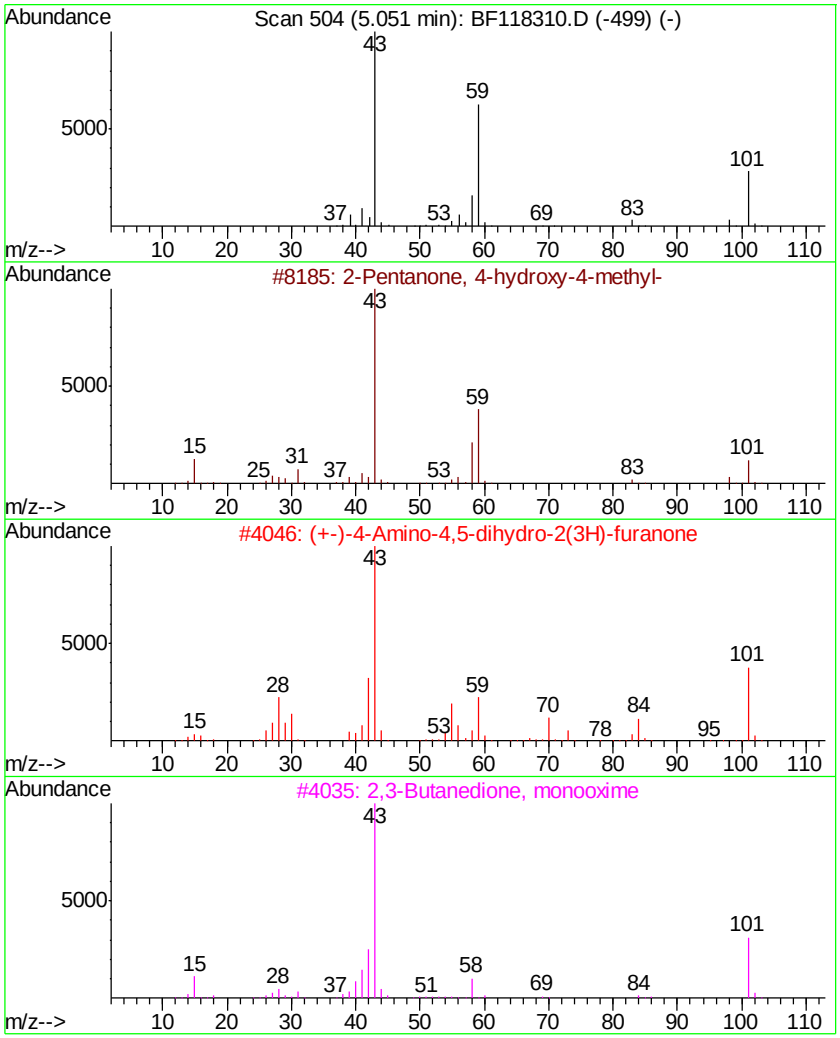
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

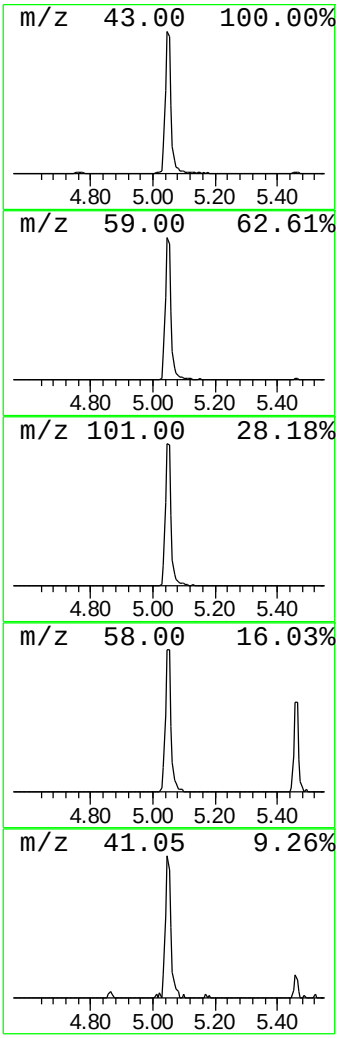
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.05	13.67 ng	460110	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	43
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
5	Propanamide, N-ethyl-	101	C5H11NO	005129-72-6	9





Library Search Compound Report

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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K183-WC-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

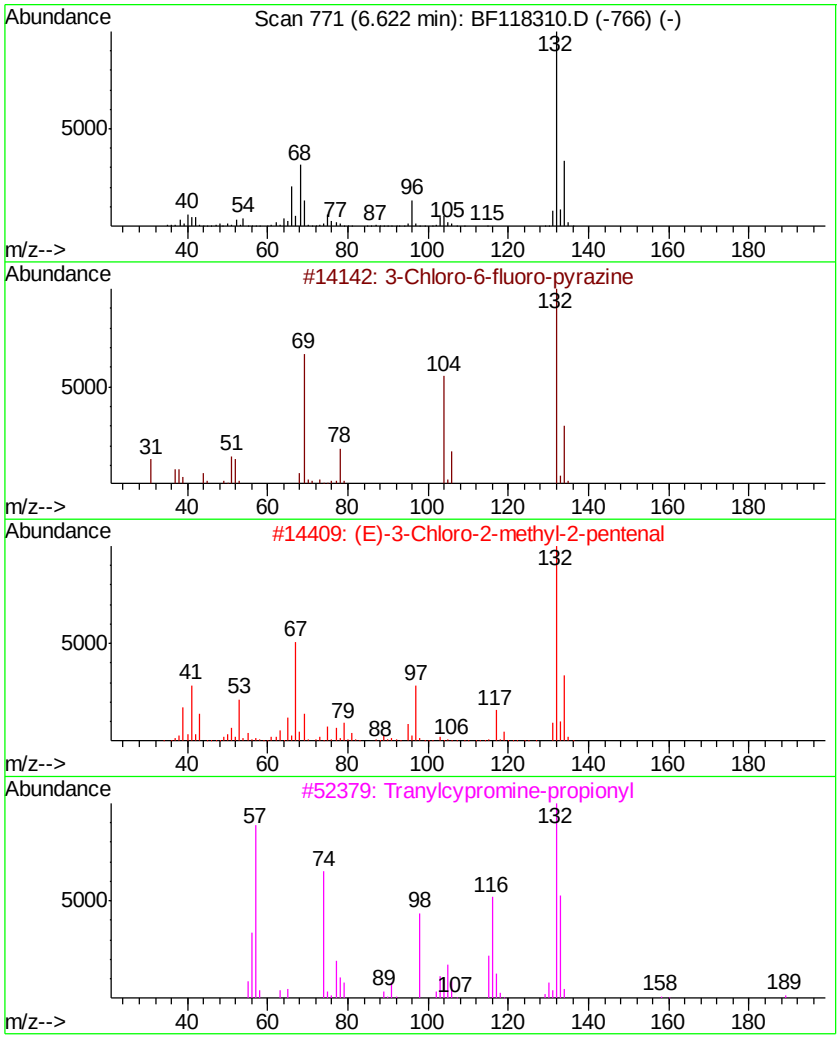
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

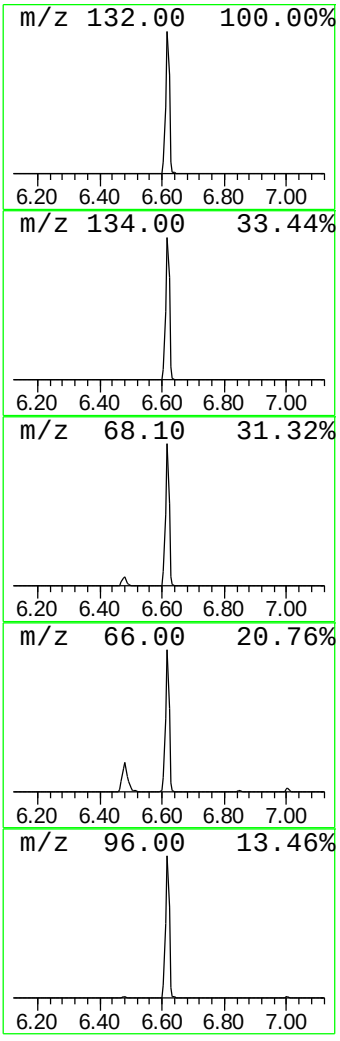
****

Peak Number 2 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	80.66 ng	2714400	1,4-Dichlorobenzene-d4	6.85

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	17
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
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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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
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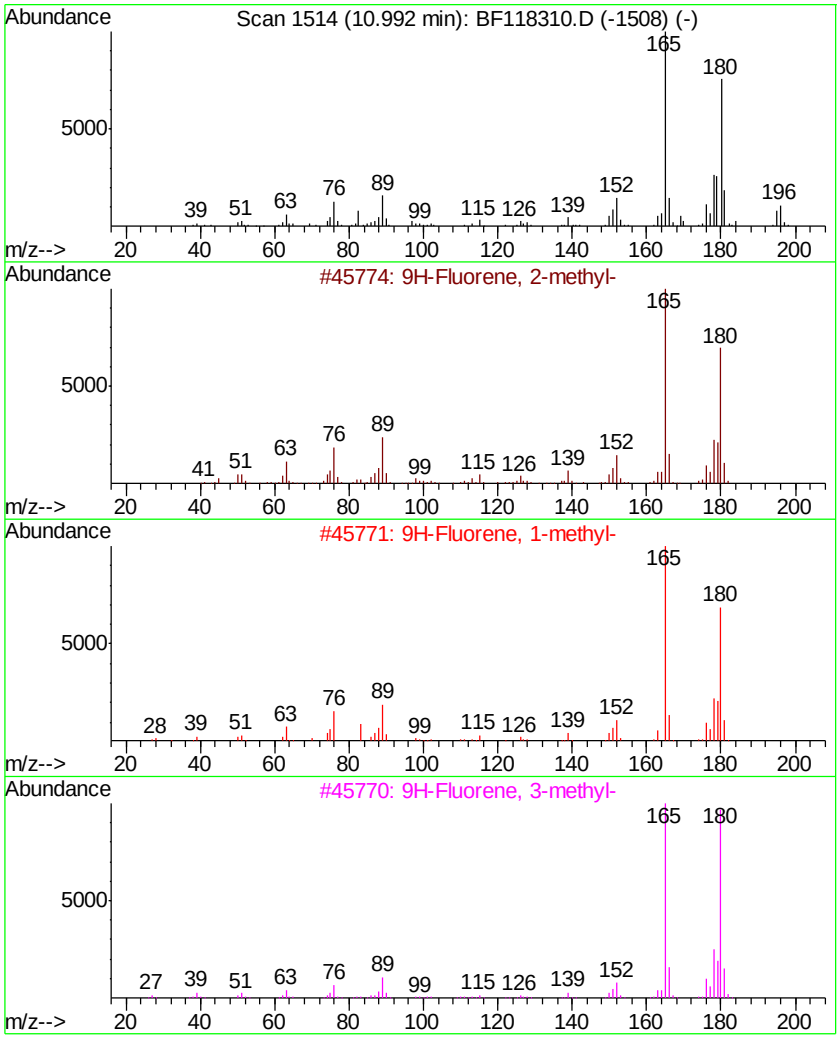
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

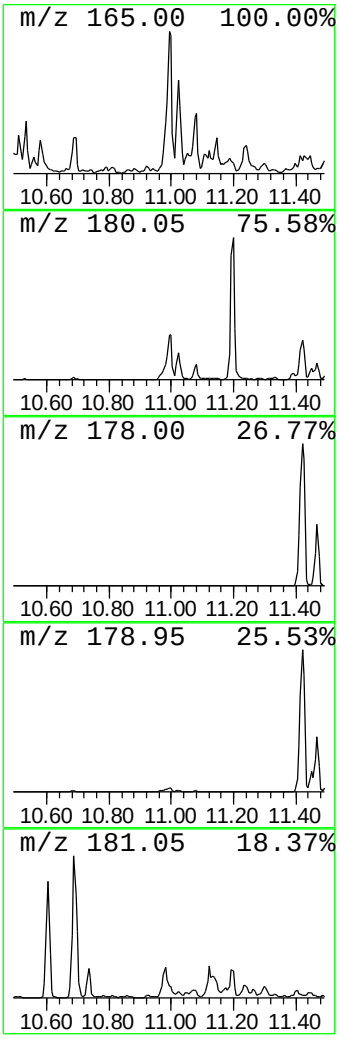
****

Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.99	6.82 ng	390563	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	91
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	89





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Data File : BF118310.D
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Sample : K6414-07
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K183-WC-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

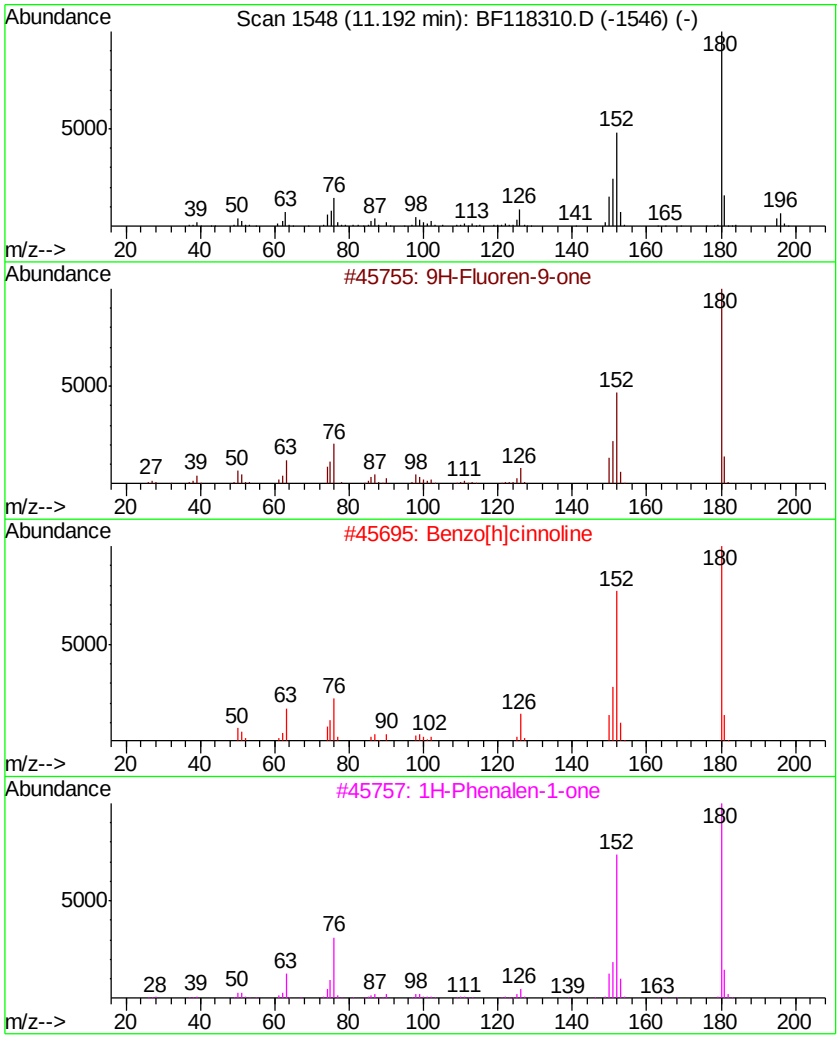
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

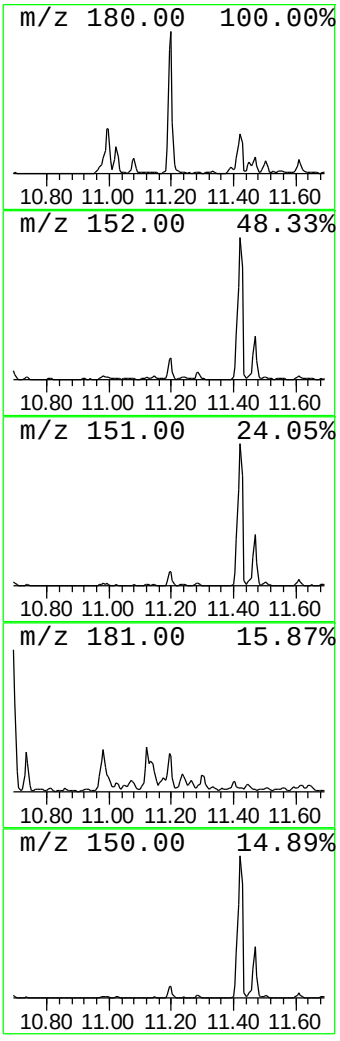
****

Peak Number 5 9H-Fluoren-9-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.19	6.39 ng	365806	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	58
4	6H-Purine-6-thione, 9-ethyl-1,9-...	180	C7H8N4S	005427-20-3	42
5	9H-Carbazole, 9-ethyl-	195	C14H13N	000086-28-2	40





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
Data File : BF118310.D
Acq On : 26 Dec 2019 12:17
Operator : JU
Sample : K6414-07
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K183-WC-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

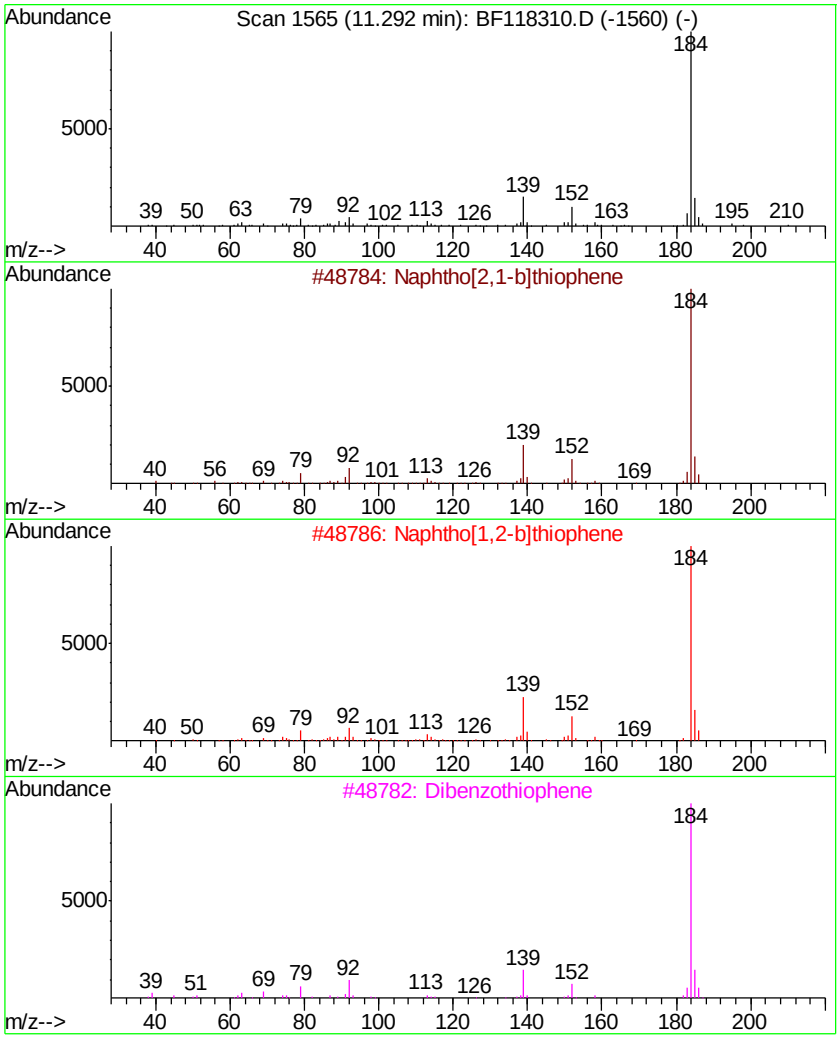
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

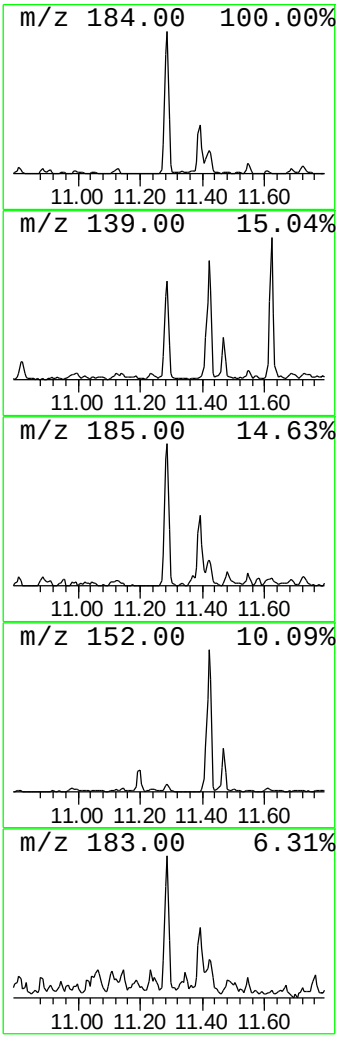
****

Peak Number 6 Naphtho[2,1-b]thiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	8.54 ng	488960	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
3	Dibenzothiophene	184	C12H8S	000132-65-0	93
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90





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Operator : JU
Sample : K6414-07
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K183-WC-01

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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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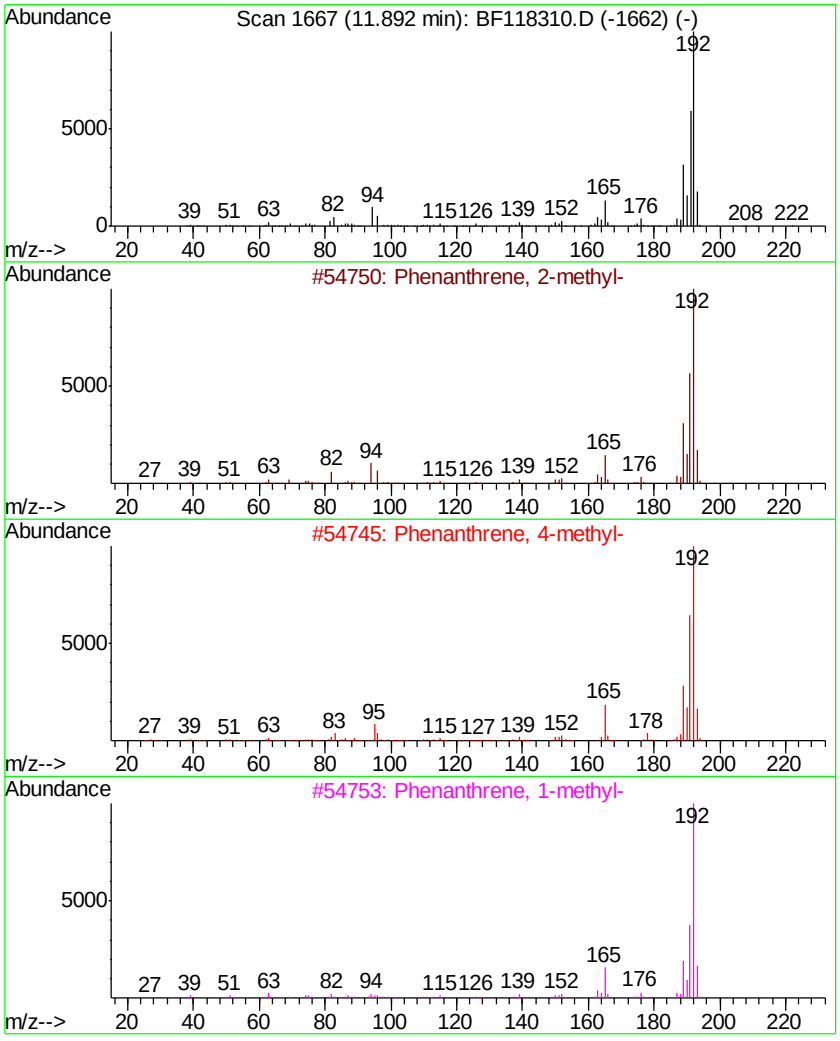
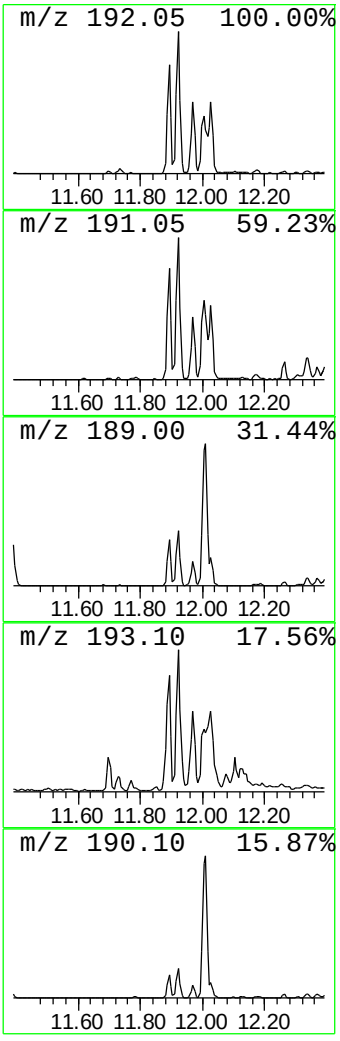
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	14.36 ng	822526	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





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ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K183-WC-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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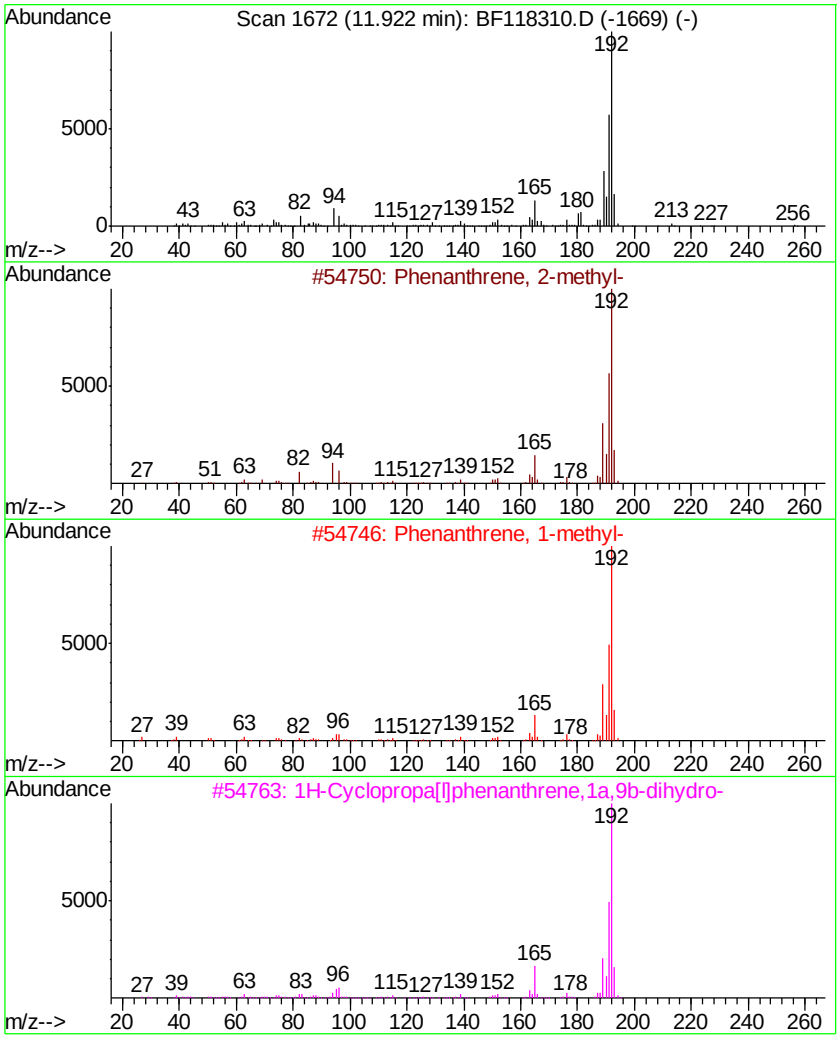
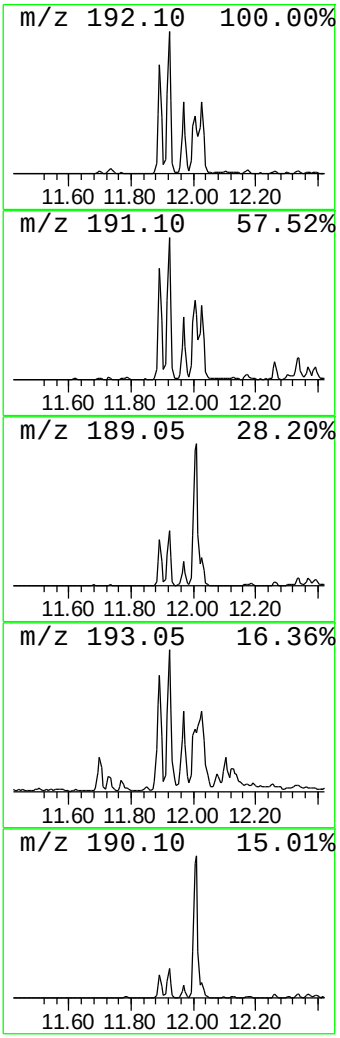
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	24.19 ng	1385350	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





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ClientSampleId : K183-WC-01

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

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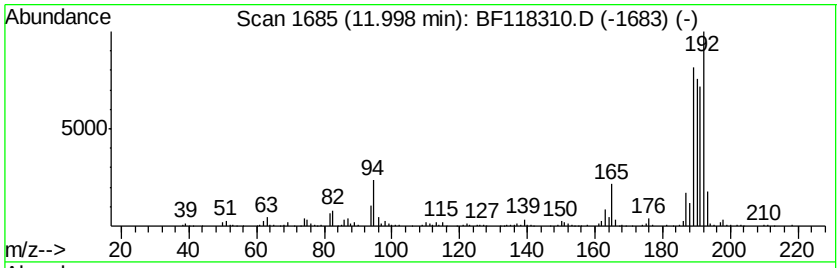
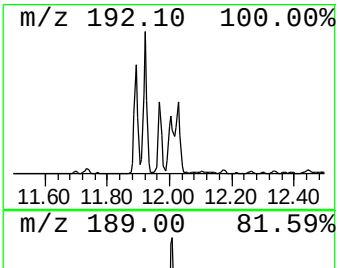
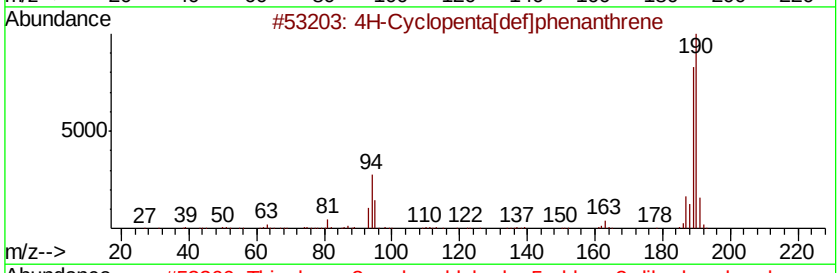
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

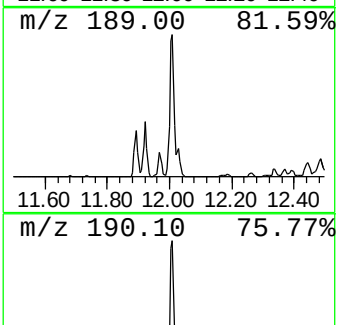
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	25.34 ng	1451080	Phenanthrene-d10	11.39

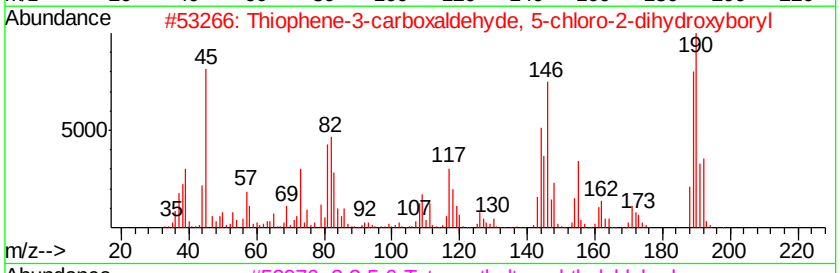
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	38
4	3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	30
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	30

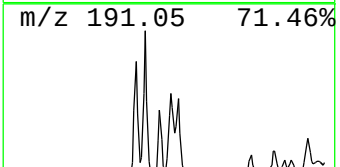


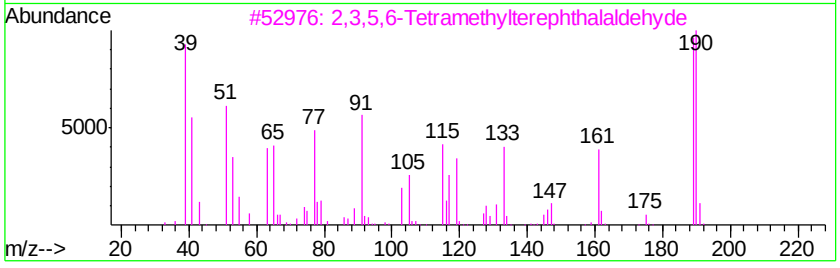


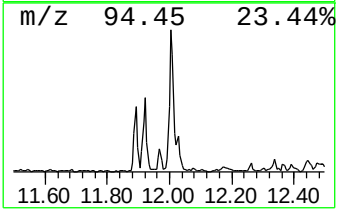












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Acq On : 26 Dec 2019 12:17
Operator : JU
Sample : K6414-07
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K183-WC-01

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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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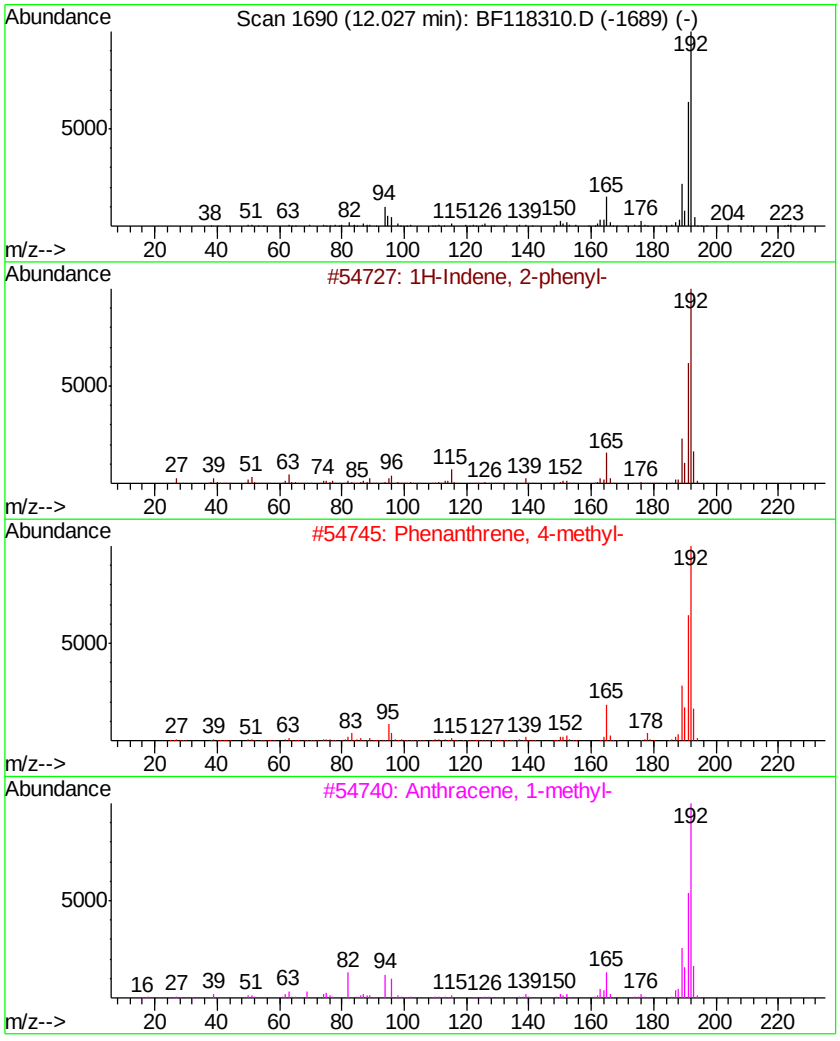
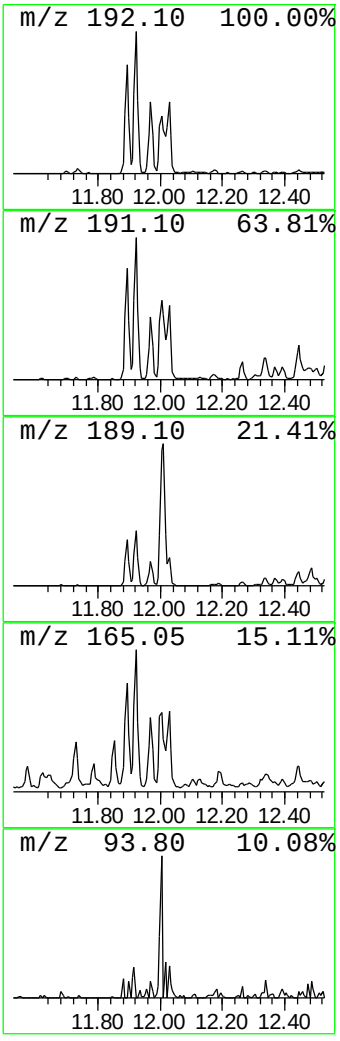
Peak Number 11 1H-Indene, 2-phenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	5.93 ng	339419	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	76
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	74
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	72
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	70





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ClientSampleId : K183-WC-01

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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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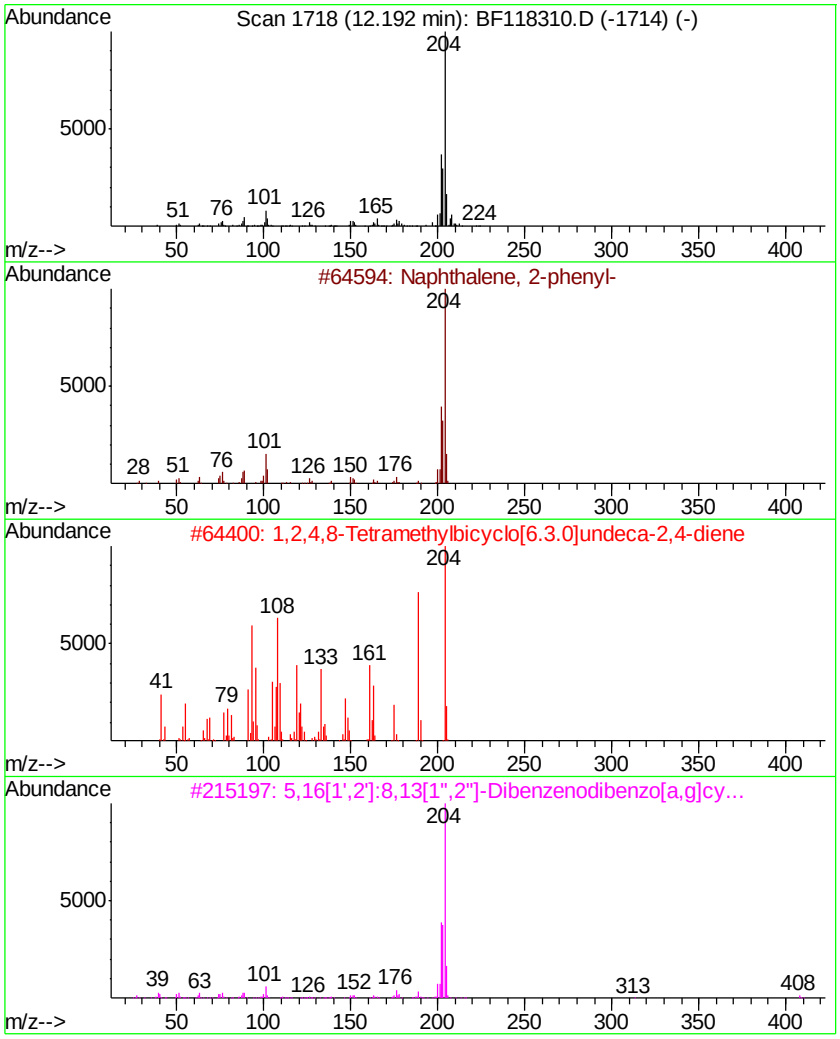
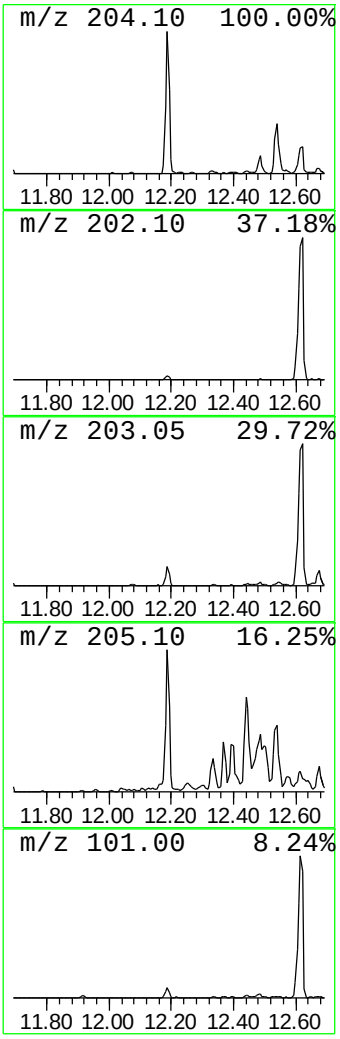
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	8.72 ng	499123	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	83
5	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	64





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Instrument : BNA_F
ClientSampleId : K183-WC-01

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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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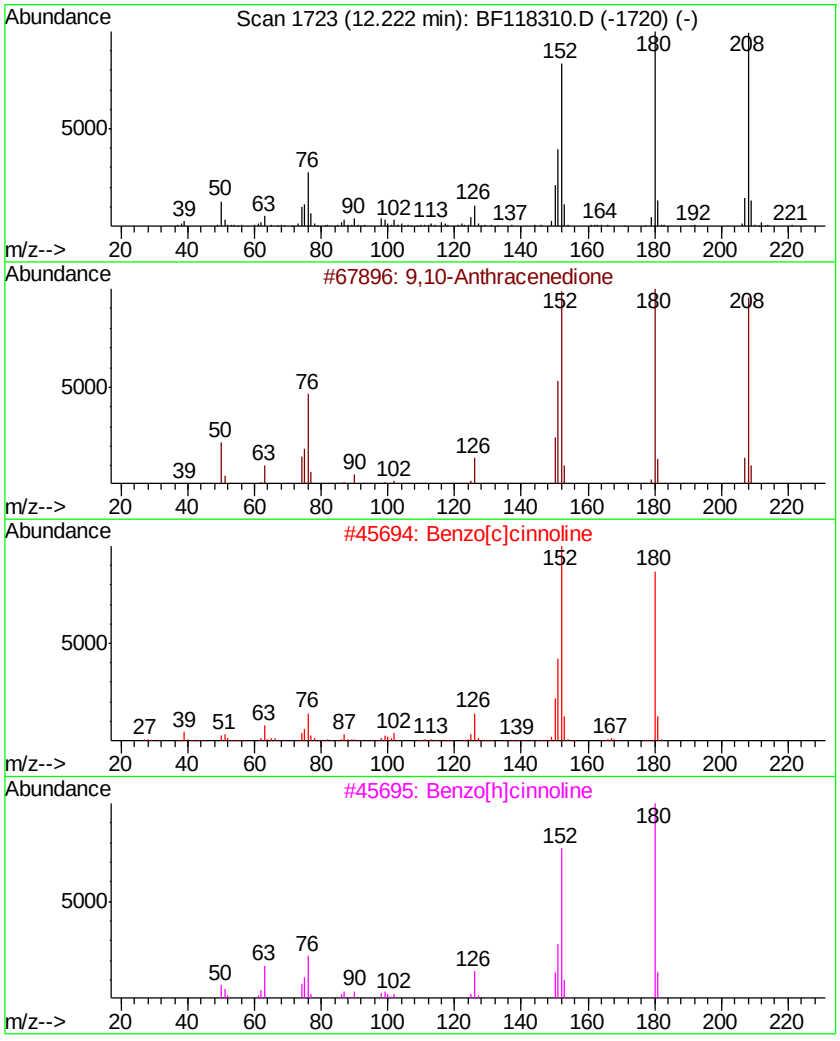
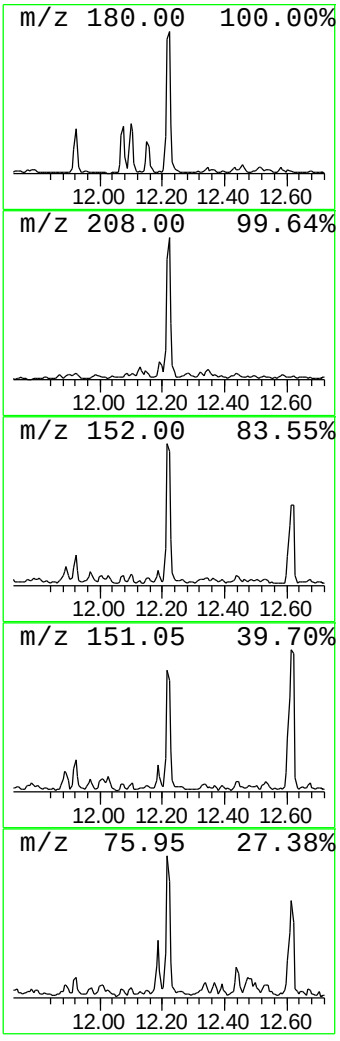
Peak Number 13 9,10-Anthracenedione Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	6.34 ng	362760	Phenanthrene-d10	11.39

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	94
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	53
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	53
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	53





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Instrument : BNA_F
ClientSampleId : K183-WC-01

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

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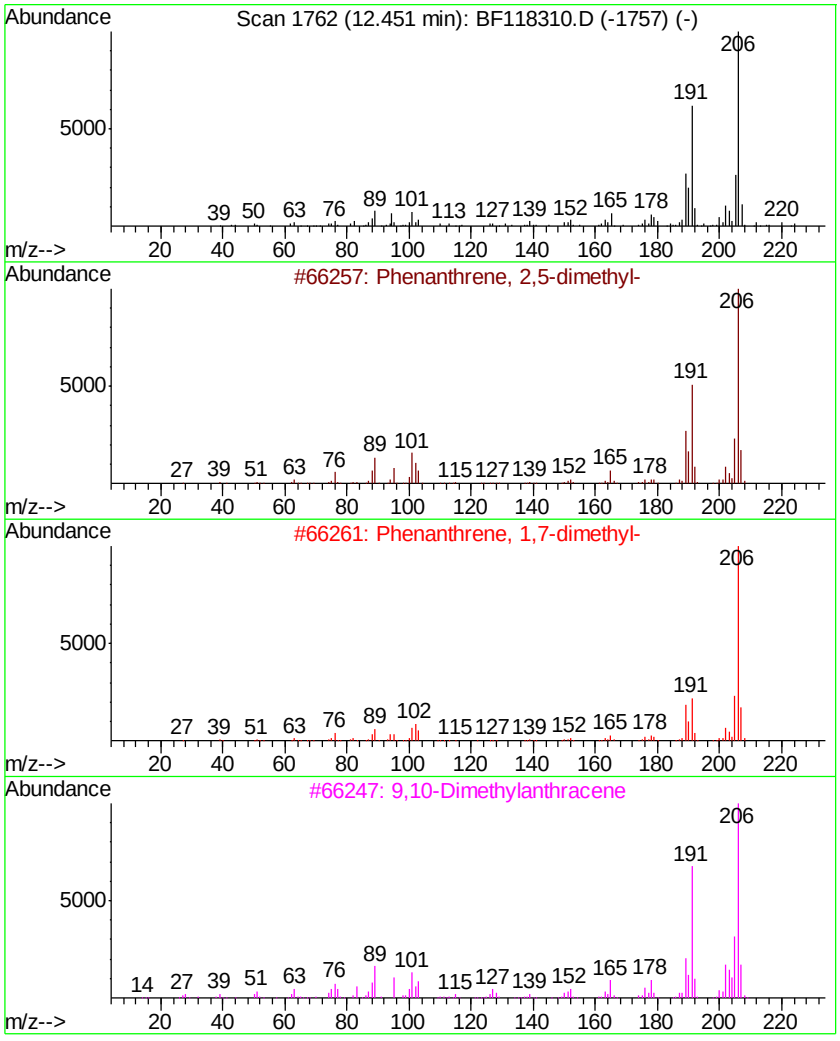
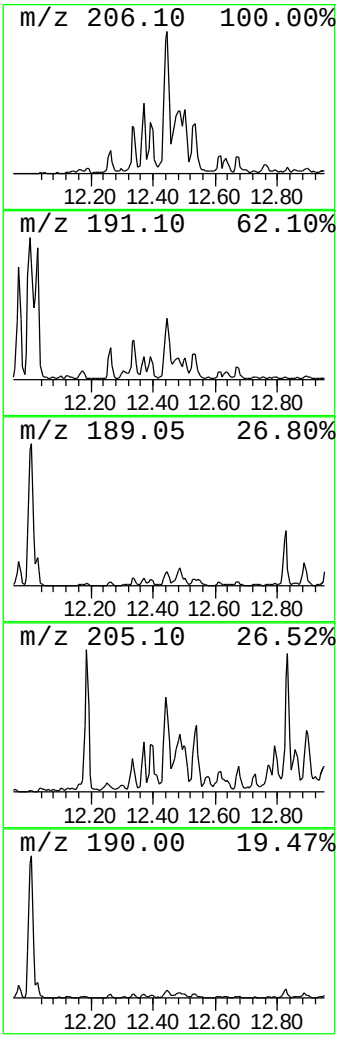
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	6.94 ng	397273	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90





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

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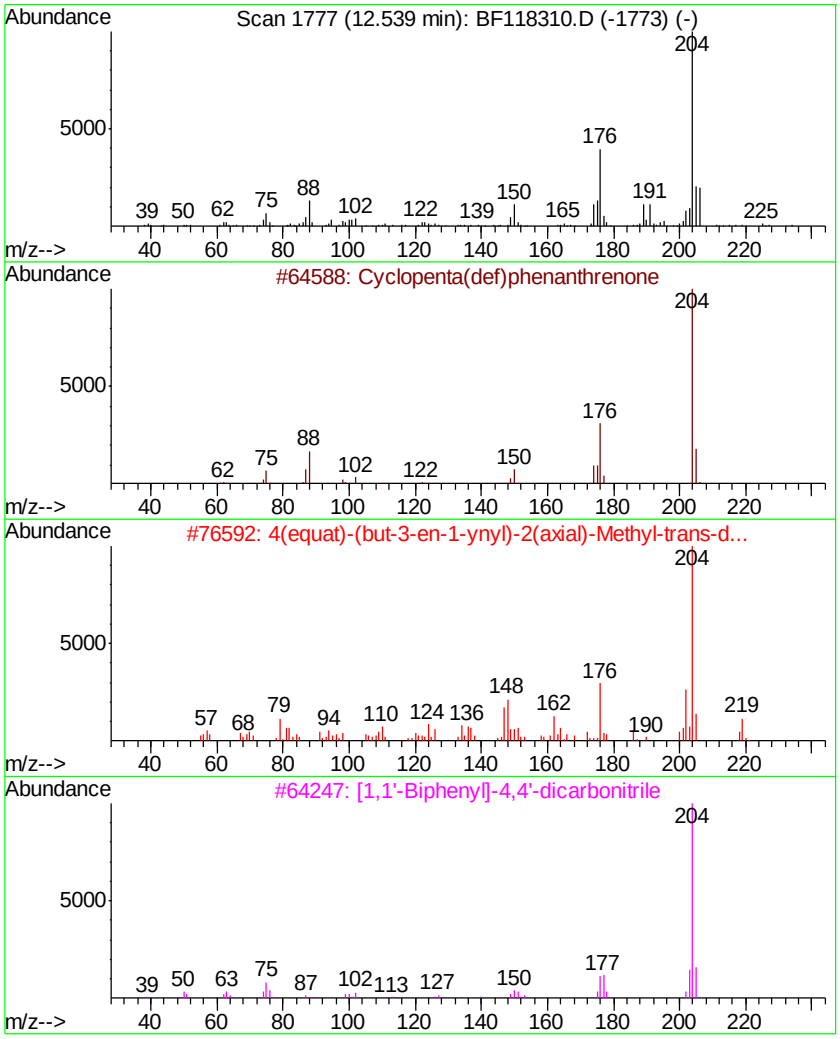
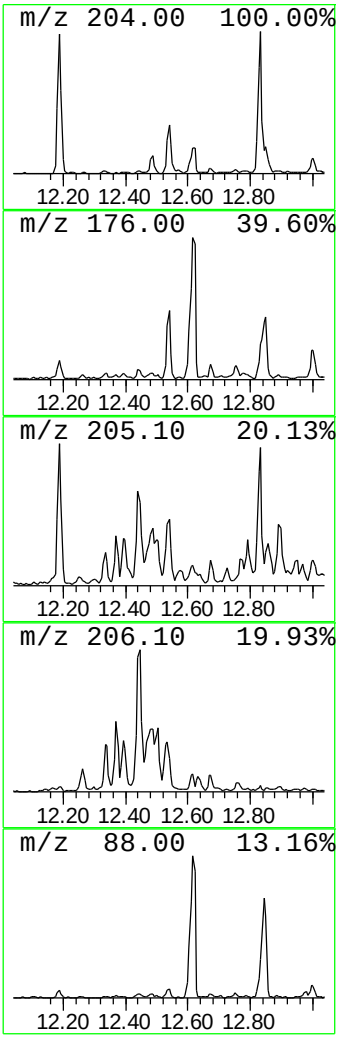
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	6.63 ng	379860	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	53
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	43





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ClientSampleId : K183-WC-01

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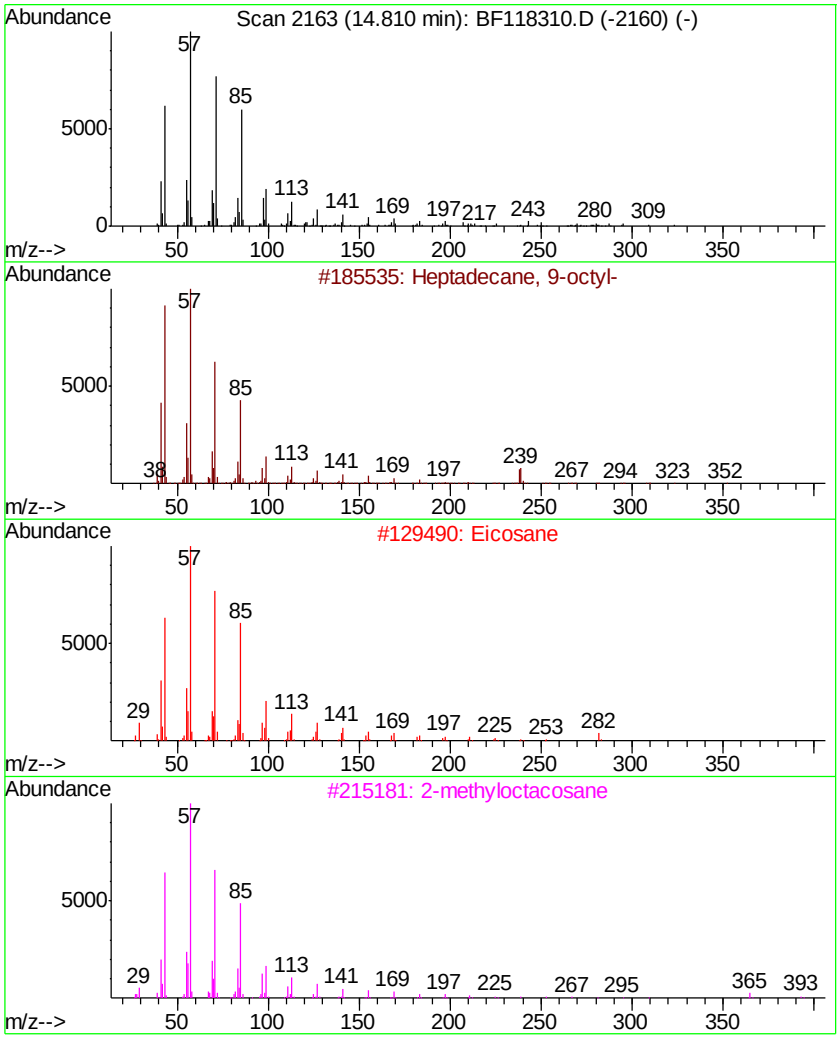
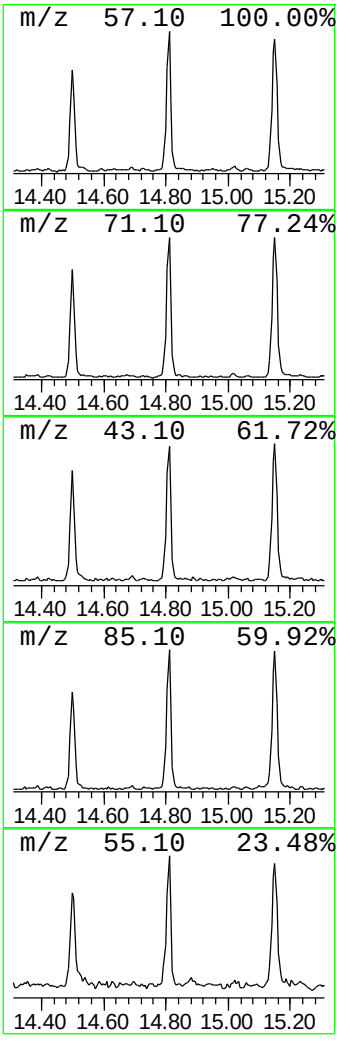
Peak Number 16 Heptadecane, 9-octyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.81	5.32 ng	343138	Perylene-d12	15.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
2	Eicosane	282	C20H42	000112-95-8	91
3	2-methyloctacosane	408	C29H60	1000376-72-8	91
4	Triacontane	422	C30H62	000638-68-6	91
5	Octacosane	394	C28H58	000630-02-4	91





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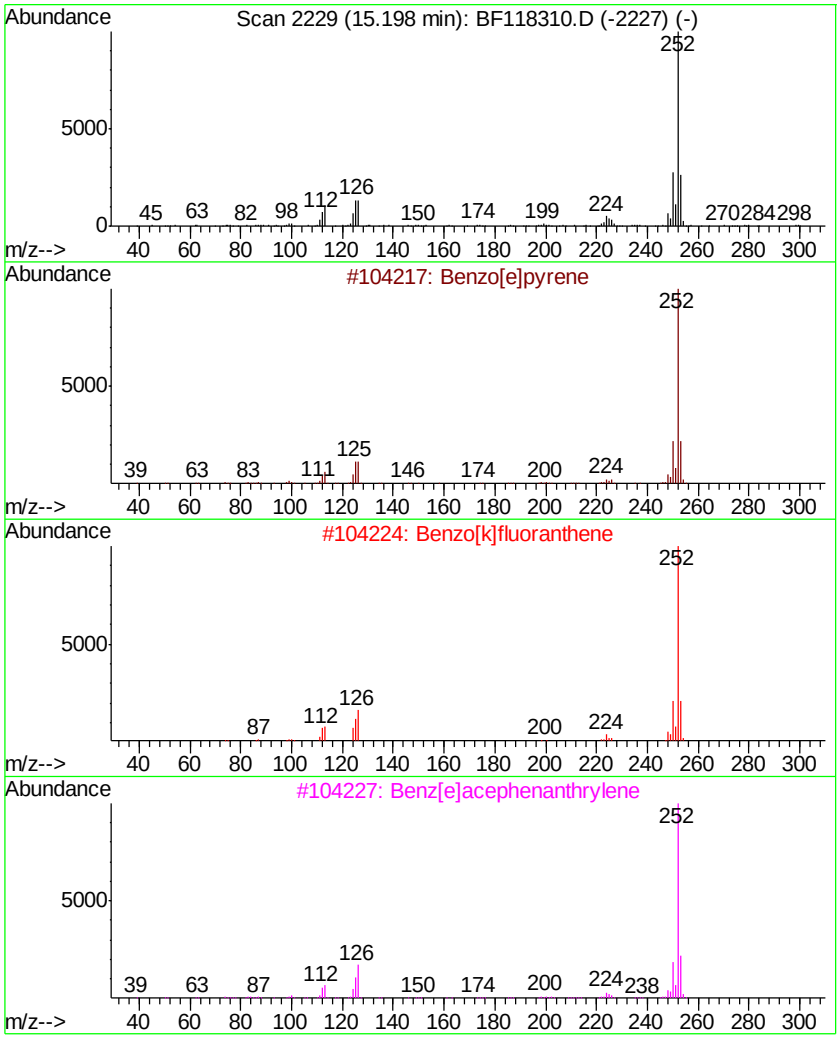
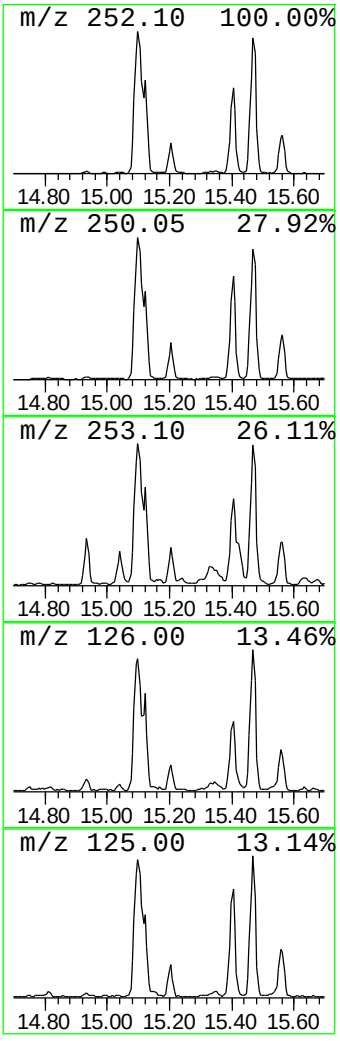
Peak Number 17 Benzo[e]pyrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	5.64 ng	363556	Perylene-d12	15.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
4	Perylene	252	C20H12	000198-55-0	90
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





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ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K183-WC-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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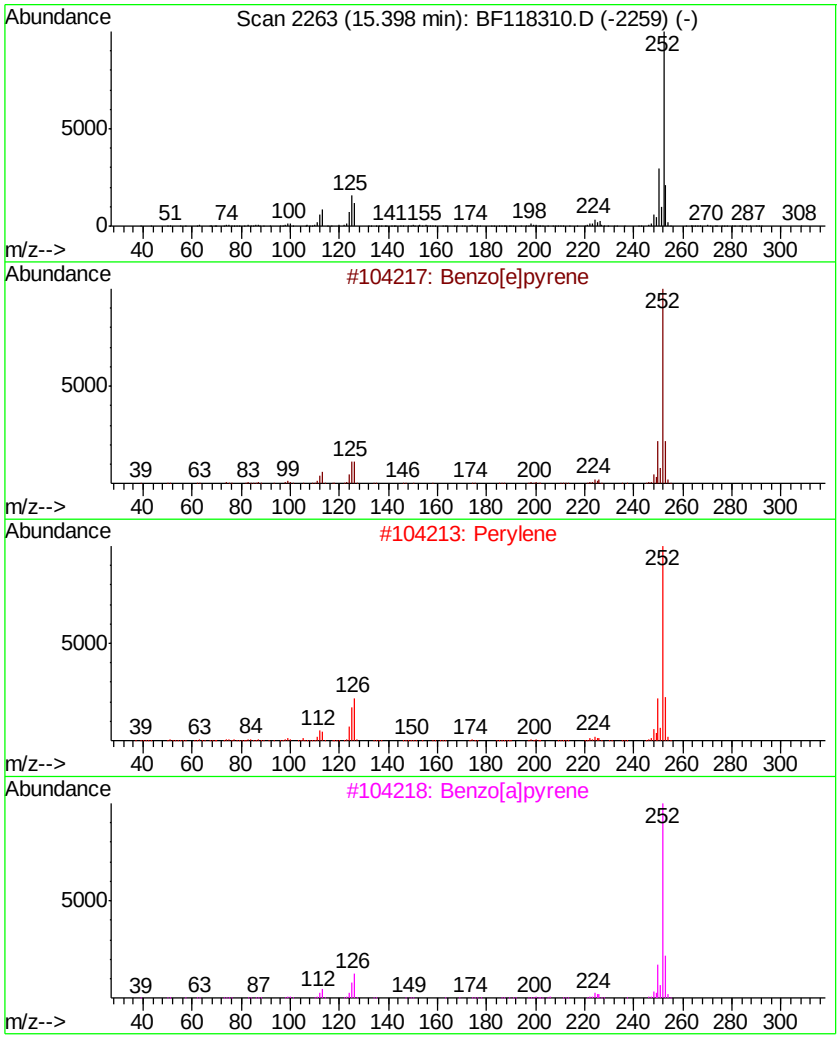
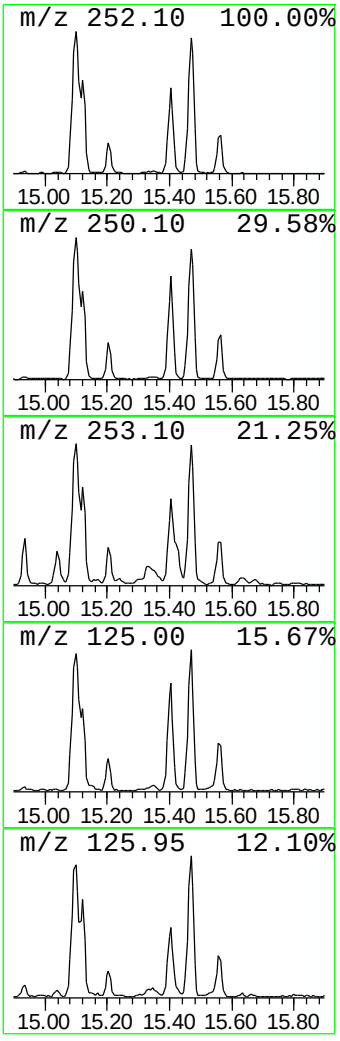
Peak Number 18 Perylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.40	21.55 ng	1389200	Perylene-d12	15.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Perylene	252	C20H12	000198-55-0	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
Data File : BF118310.D
Acq On : 26 Dec 2019 12:17
Operator : JU
Sample : K6414-07
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K183-WC-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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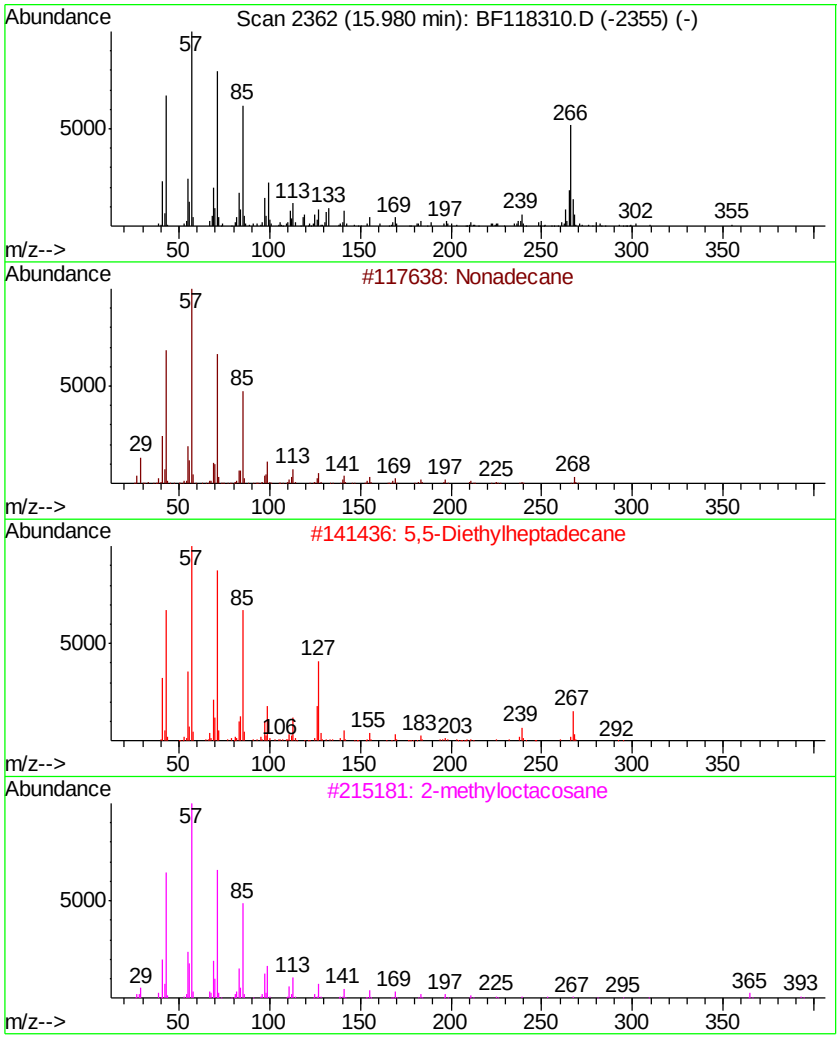
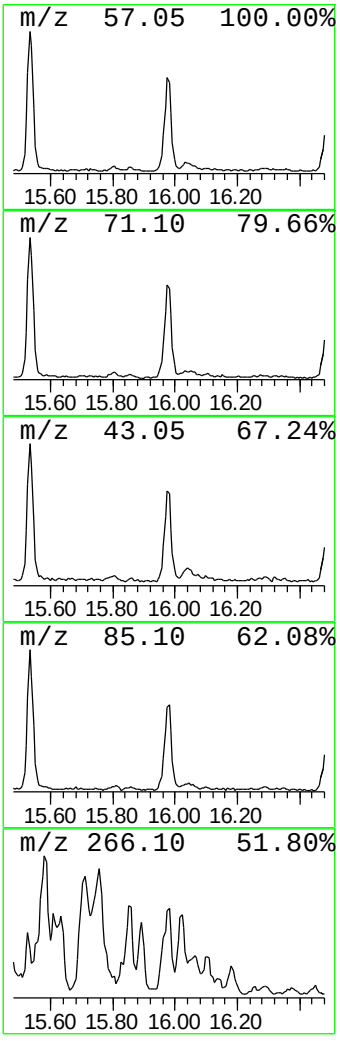
Peak Number 19 Nonadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.98	6.77 ng	436744	Perylene-d12	15.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	92
2	5,5-Diethylheptadecane	296	C21H44	1000360-41-7	70
3	2-methyloctacosane	408	C29H60	1000376-72-8	64
4	Heneicosane	296	C21H44	000629-94-7	64
5	Hexacosane	366	C26H54	000630-01-3	60





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
Data File : BF118310.D
Acq On : 26 Dec 2019 12:17
Operator : JU
Sample : K6414-07
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K183-WC-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.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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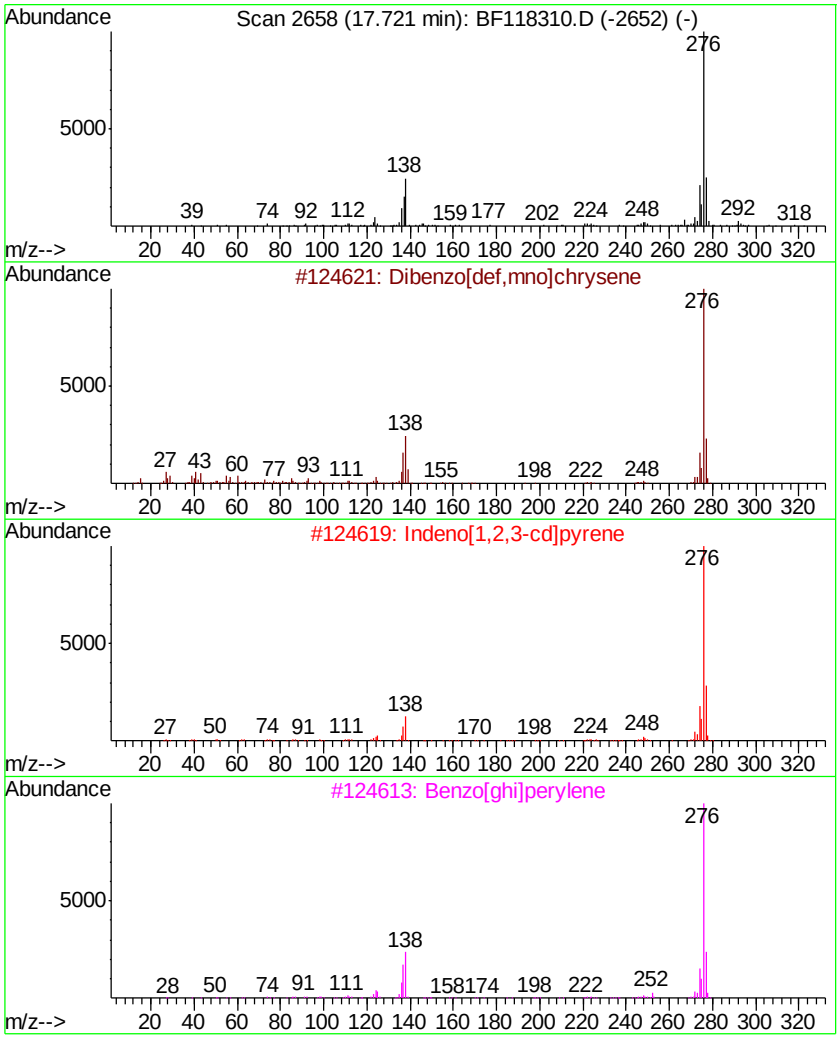
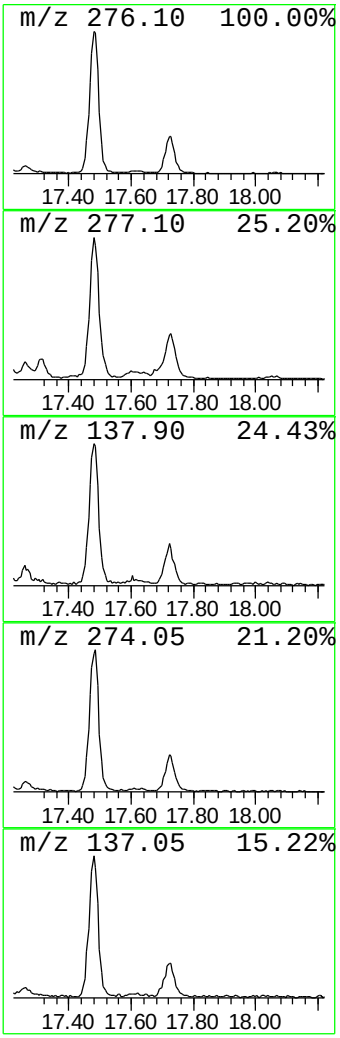
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.72	6.87 ng	442708	Perylene-d12	15.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	97
2	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	96
3	Benzo[ghi]perylene	276	C22H12	000191-24-2	95
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	72
5	3-[(2-Fluoro-4-nitro-phenylimino...	276	C13H9FN2O4	1000295-49-7	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF122619\
Data File : BF118310.D
Acq On : 26 Dec 2019 12:17
Operator : JU
Sample : K6414-07
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K183-WC-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.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
2-Pentanone, 4-hy...	5.05	13.7	ng	460110	1	6.85	673056	20.0
unknown6.62	6.62	80.7	ng	2714400	1	6.85	673056	20.0
9H-Fluorene, 2-me...	10.99	6.8	ng	390563	4	11.39	1145210	20.0
9H-Fluoren-9-one	11.19	6.4	ng	365806	4	11.39	1145210	20.0
Naphtho[2,1-b]thi...	11.29	8.5	ng	488960	4	11.39	1145210	20.0
Phenanthrene, 2-m...	11.89	14.4	ng	822526	4	11.39	1145210	20.0
Phenanthrene, 1-m...	11.92	24.2	ng	1385350	4	11.39	1145210	20.0
4H-Cyclopenta[def...	12.00	25.3	ng	1451080	4	11.39	1145210	20.0
1H-Indene, 2-phenyl-	12.03	5.9	ng	339419	4	11.39	1145210	20.0
Naphthalene, 2-ph...	12.19	8.7	ng	499123	4	11.39	1145210	20.0
9,10-Anthracenedione	12.22	6.3	ng	362760	4	11.39	1145210	20.0
Phenanthrene, 2,5...	12.45	6.9	ng	397273	4	11.39	1145210	20.0
Cyclopenta(def)ph...	12.54	6.6	ng	379860	4	11.39	1145210	20.0
Heptadecane, 9-oc...	14.81	5.3	ng	343138	6	15.53	1289330	20.0
Benzo[e]pyrene	15.20	5.6	ng	363556	6	15.53	1289330	20.0
Perylene	15.40	21.6	ng	1389200	6	15.53	1289330	20.0
Nonadecane	15.98	6.8	ng	436744	6	15.53	1289330	20.0
Dibenzo[def,mno]c...	17.72	6.9	ng	442708	6	15.53	1289330	20.0