LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112718\
Data File : BF111019.D
Acq On : 27 Nov 2018 19:37
Operator : JU/SJ
Sample : J6051-01 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-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-BF112618.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	6.592	763	766	778	rBV	26817	75817	1.00%	0.116%
2	6.722	785	788	798	rBV	62625	88271	1.17%	0.135%
3	6.939	822	825	844	rBV	236889	259655	3.43%	0.398%
4	8.222	1040	1043	1064	rBV	251699	343960	4.54%	0.527%
5	9.298	1223	1226	1240	rBB	86061	94381	1.25%	0.145%
6	9.980	1338	1342	1345	rBV	373299	315233	4.16%	0.483%
7	10.016	1345	1348	1356	rVB	340949	302429	3.99%	0.464%
8	10.192	1373	1378	1382	rBV	86179	83979	1.11%	0.129%
9	10.533	1432	1436	1442	rBV	249666	222057	2.93%	0.340%
10	10.780	1473	1478	1483	rBV3	70934	107467	1.42%	0.165%
11	11.292	1561	1565	1568	rBV	191722	166765	2.20%	0.256%
12	11.321	1568	1570	1574	rVB2	88231	79273	1.05%	0.122%
13	11.374	1576	1579	1583	rBV	241498	204368	2.70%	0.313%
14	11.480	1593	1597	1598	rBV	354010	306565	4.05%	0.470%
15	11.516	1598	1603	1606	rVV	3520115	3709486	48.98%	5.686%
16	11.557	1606	1610	1615	rVV	941061	880087	11.62%	1.349%
17	11.598	1615	1617	1623	rVB	77039	82374	1.09%	0.126%
18	11.716	1632	1637	1643	rBV2	693646	700316	9.25%	1.073%
19	11.763	1643	1645	1648	rVV	77592	82008	1.08%	0.126%
20	11.827	1651	1656	1659	rVV4	54355	87340	1.15%	0.134%
21	11.886	1659	1666	1672	rVB5	39564	85349	1.13%	0.131%
22	11.980	1678	1682	1685	rBV	365876	317264	4.19%	0.486%
23	12.010	1685	1687	1692	rVB	495551	404491	5.34%	0.620%
24	12.063	1692	1696	1698	rBV	130590	123270	1.63%	0.189%
25	12.098	1698	1702	1704	rVV2	887618	853232	11.27%	1.308%
26	12.116	1704	1705	1710	rVB	251930	177044	2.34%	0.271%
27	12.274	1729	1732	1735	rVB	358440	291427	3.85%	0.447%
28	12.321	1737	1740	1744	rBV	602135	601825	7.95%	0.922%
29	12.421	1754	1757	1760	rBV	88152	77174	1.02%	0.118%
30	12.533	1772	1776	1778	rBV	129882	129856	1.71%	0.199%
31	12.574	1778	1783	1785	rVV5	71575	98695	1.30%	0.151%
32	12.604	1785	1788	1791	rVV2	69859	108595	1.43%	0.166%
33	12.651	1792	1796	1800	rVB	312364	362254	4.78%	0.555%
34	12.727	1801	1809	1812	rBV	4480595	7553664	99.74%	11.578%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J6051-01 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-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-BF112618.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.774	1812	1817	1820	rVB	169782	208485	2.75%	0.320%
36	12.857	1827	1831	1835	rBV	458499	464774	6.14%	0.712%
37	12.963	1840	1849	1851	rBV2	4275786	7573129	100.00%	11.608%
38	12.980	1851	1852	1857	rVB	239782	195696	2.58%	0.300%
39	13.057	1861	1865	1868	rBV2	495695	453839	5.99%	0.696%
40	13.104	1870	1873	1876	rVB	561746	500070	6.60%	0.767%
41	13.157	1876	1882	1885	rBV2	302446	513517	6.78%	0.787%
42	13.192	1885	1888	1891	rBV	196766	178709	2.36%	0.274%
43	13.239	1892	1896	1897	rBV3	270715	300476	3.97%	0.461%
44	13.263	1897	1900	1904	rVB	668203	691525	9.13%	1.060%
45	13.327	1908	1911	1914	rBV	437593	381121	5.03%	0.584%
46	13.368	1914	1918	1924	rVB3	380811	675189	8.92%	1.035%
47	13.421	1924	1927	1930	rVB2	120475	118440	1.56%	0.182%
48	13.463	1931	1934	1936	rBV	256047	222638	2.94%	0.341%
49	13.492	1936	1939	1942	rBV	241282	210086	2.77%	0.322%
50	13.568	1947	1952	1954	rBV4	59913	98058	1.29%	0.150%
51	13.786	1983	1989	1992	rBV	532717	524305	6.92%	0.804%
52	13.892	2002	2007	2009	rBV2	613078	778471	10.28%	1.193%
53	13.910	2009	2010	2013	rVV	627142	440380	5.82%	0.675%
54	13.945	2013	2016	2022	rVV3	706082	1025283	13.54%	1.572%
55	13.998	2022	2025	2029	rVB	556814	575518	7.60%	0.882%
56	14.057	2029	2035	2040	rBV	201741	311743	4.12%	0.478%
57	14.145	2041	2050	2053	rVV3	2529763	4650672	61.41%	7.129%
58	14.186	2053	2057	2061	rVV	2557987	3133074	41.37%	4.802%
59	14.251	2065	2068	2071	rVV	818754	797426	10.53%	1.222%
60	14.304	2073	2077	2081	rVV4	222390	395207	5.22%	0.606%
61	14.339	2081	2083	2085	rVV	277039	257806	3.40%	0.395%
62	14.374	2085	2089	2092	rVV2	425660	596444	7.88%	0.914%
63	14.404	2092	2094	2097	rVV3	112451	132545	1.75%	0.203%
64	14.457	2101	2103	2106	rVV2	88032	97074	1.28%	0.149%
65	14.486	2106	2108	2110	rVV	149639	157135	2.07%	0.241%
66	14.527	2110	2115	2117	rVV2	433131	573516	7.57%	0.879%
67	14.562	2117	2121	2123	rVV2	201060	256910	3.39%	0.394%
68	14.586	2123	2125	2126	rVV	181606	158079	2.09%	0.242%
69	14.627	2130	2132	2135	rVV2	159786	192662	2.54%	0.295%
70	14.657	2135	2137	2140	rVV2	315332	412448	5.45%	0.632%
71	14.721	2144	2148	2152	rVB2	161812	243443	3.21%	0.373%

LSC Area Percent Report

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Acq On : 27 Nov 2018 19:37
Operator : JU/SJ
Sample : J6051-01 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-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

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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.874	2169	2174	2180	rBV3	196061	348455	4.60%	0.534%
73	14.968	2188	2190	2195	rVB2	63328	77954	1.03%	0.119%
74	15.057	2200	2205	2209	rBV	243132	382604	5.05%	0.586%
75	15.168	2220	2224	2228	rBV2	119815	184236	2.43%	0.282%
76	15.245	2228	2237	2239	rVV	1895052	3836612	50.66%	5.881%
77	15.298	2243	2246	2250	rVB2	131730	166064	2.19%	0.255%
78	15.345	2250	2254	2260	rBV	429455	477474	6.30%	0.732%
79	15.427	2265	2268	2270	rBV	126777	162745	2.15%	0.249%
80	15.486	2274	2278	2284	rVV3	103827	256999	3.39%	0.394%
81	15.562	2285	2291	2295	rVV	1174586	1747978	23.08%	2.679%
82	15.639	2297	2304	2308	rVB	1613140	2518666	33.26%	3.861%
83	15.686	2308	2312	2315	rBV	137077	183557	2.42%	0.281%
84	15.727	2315	2319	2323	rVB	637190	829161	10.95%	1.271%
85	15.809	2330	2333	2337	rVB3	73395	93770	1.24%	0.144%
86	15.868	2339	2343	2346	rVV2	74873	116703	1.54%	0.179%
87	15.921	2349	2352	2360	rVB3	92706	155344	2.05%	0.238%
88	16.062	2372	2376	2384	rVB7	73368	130235	1.72%	0.200%
89	16.286	2410	2414	2419	rVB	96589	142289	1.88%	0.218%
90	16.456	2437	2443	2452	rVB6	48263	110971	1.47%	0.170%
91	16.580	2460	2464	2470	rBV6	37094	91931	1.21%	0.141%
92	16.868	2508	2513	2517	rBV3	60216	100866	1.33%	0.155%
93	17.056	2539	2545	2549	rBV2	106088	211980	2.80%	0.325%
94	17.103	2549	2553	2559	rVB2	118843	219281	2.90%	0.336%
95	17.303	2576	2587	2592	rBV2	778643	1956727	25.84%	2.999%
96	17.350	2592	2595	2602	rVB	86187	157247	2.08%	0.241%
97	17.462	2607	2614	2619	rBV2	174797	369869	4.88%	0.567%
98	17.527	2620	2625	2635	rBV2	119113	241618	3.19%	0.370%
99	17.803	2660	2672	2681	rVB	665315	1638077	21.63%	2.511%
100	18.045	2705	2713	2728	rVB	164054	457568	6.04%	0.701%

Sum of corrected areas: 65238845

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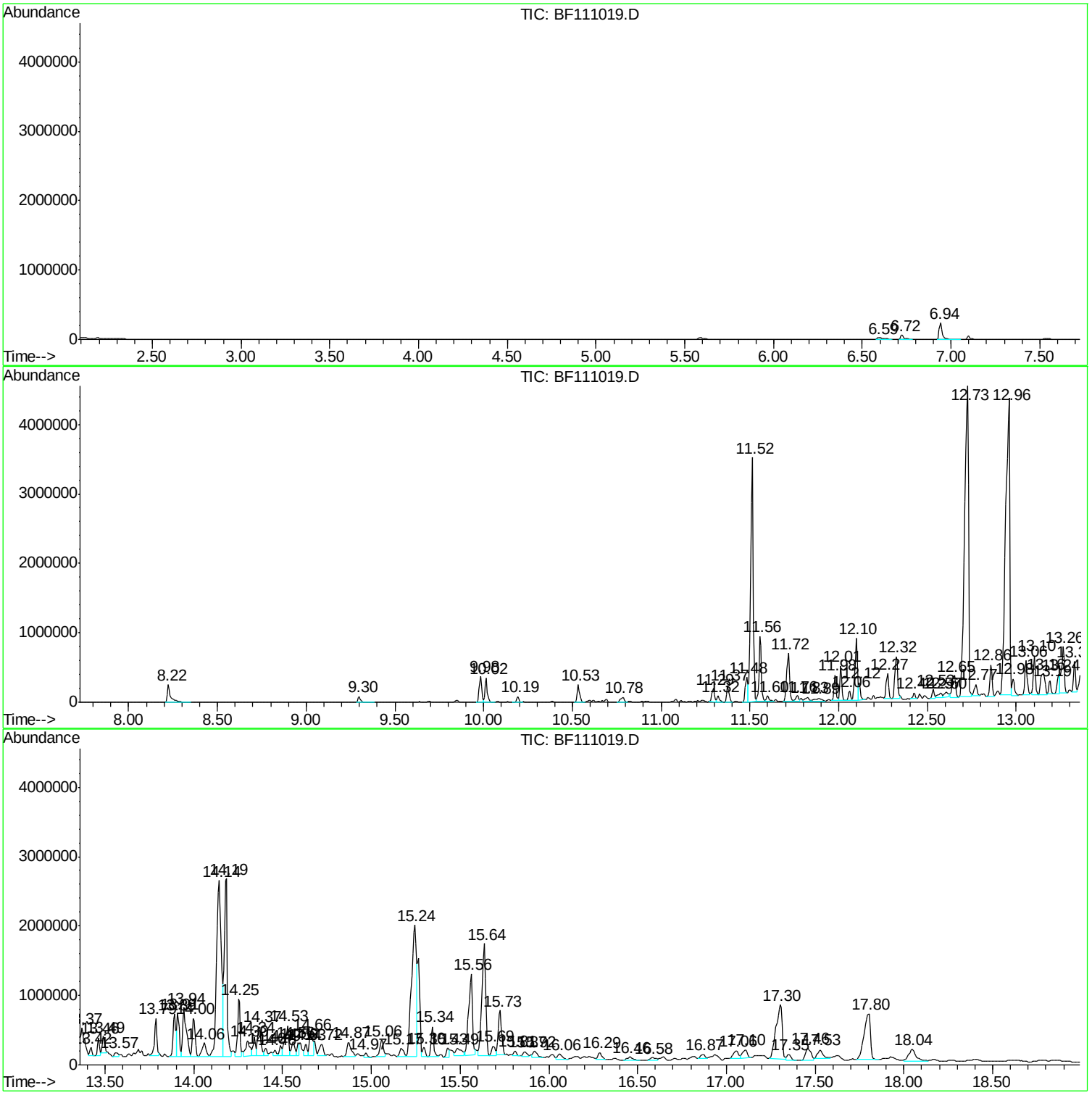
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.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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Instrument : BNA_F
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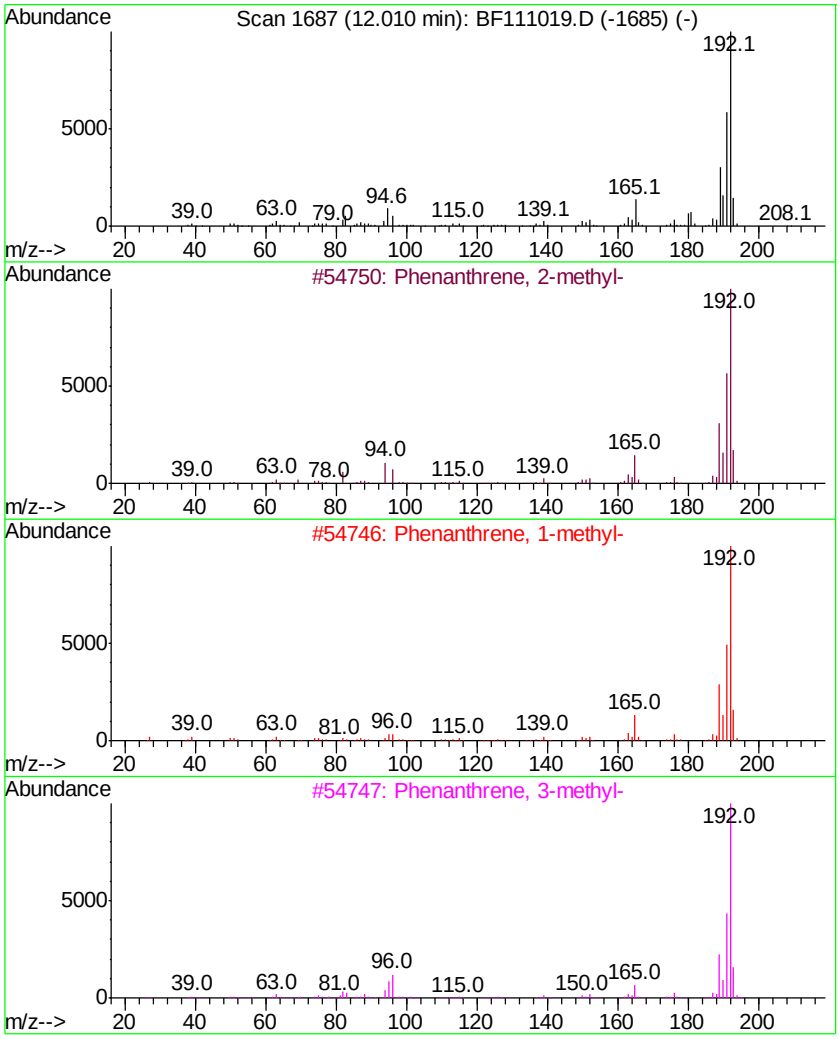
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

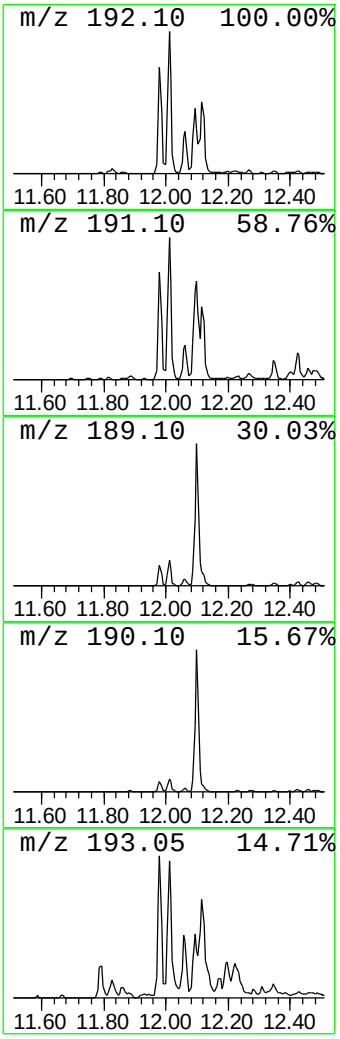
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	26.39 ng	404491	Phenanthrene-d10	11.48

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	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

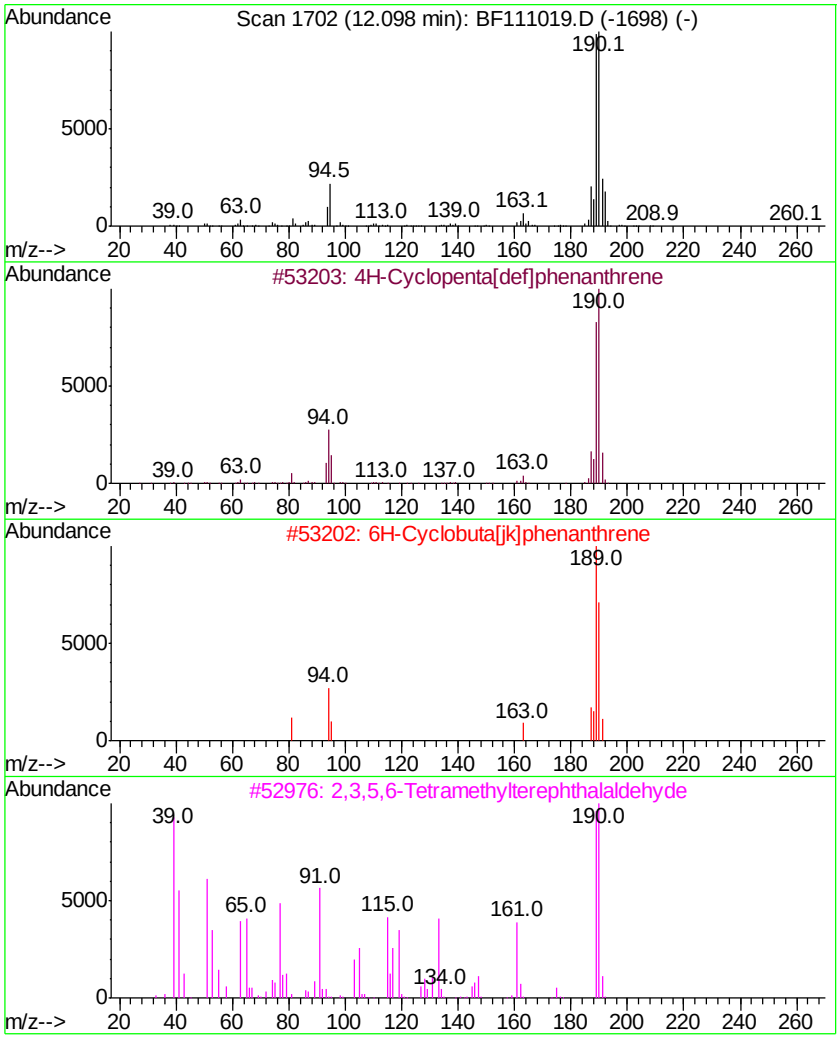
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

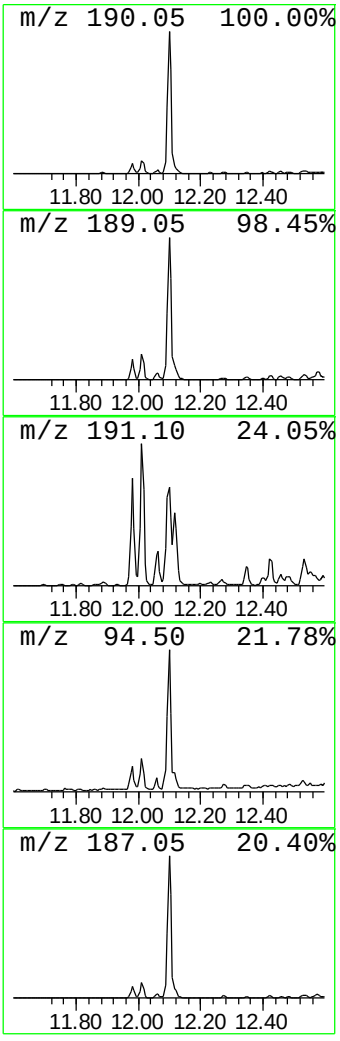
****

Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	55.66 ng	853232	Phenanthrene-d10	11.48

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	50
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	Methyl diselenide	190	C2H6Se2	007101-31-7	38





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TIC Library : C:\DATABASE\NIST11.L
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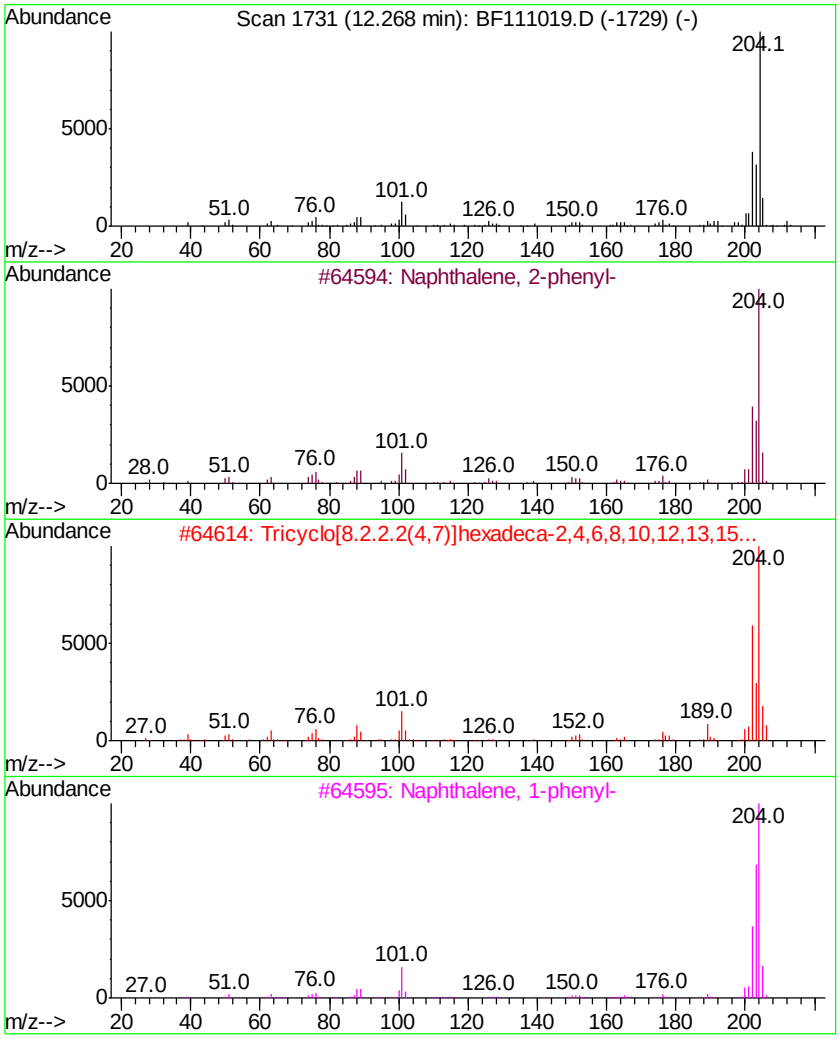
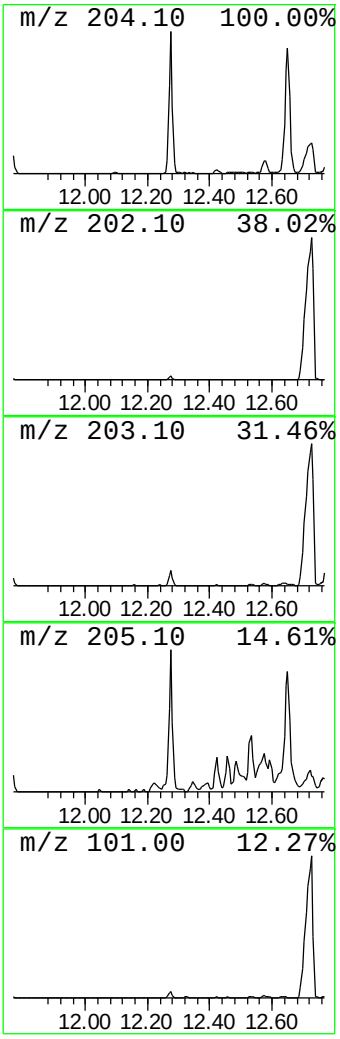
Peak Number 4 Naphthalene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	19.01 ng	291427	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	96
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	90
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	50
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50





Library Search Compound Report

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Data File : BF111019.D
Acq On : 27 Nov 2018 19:37
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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.M
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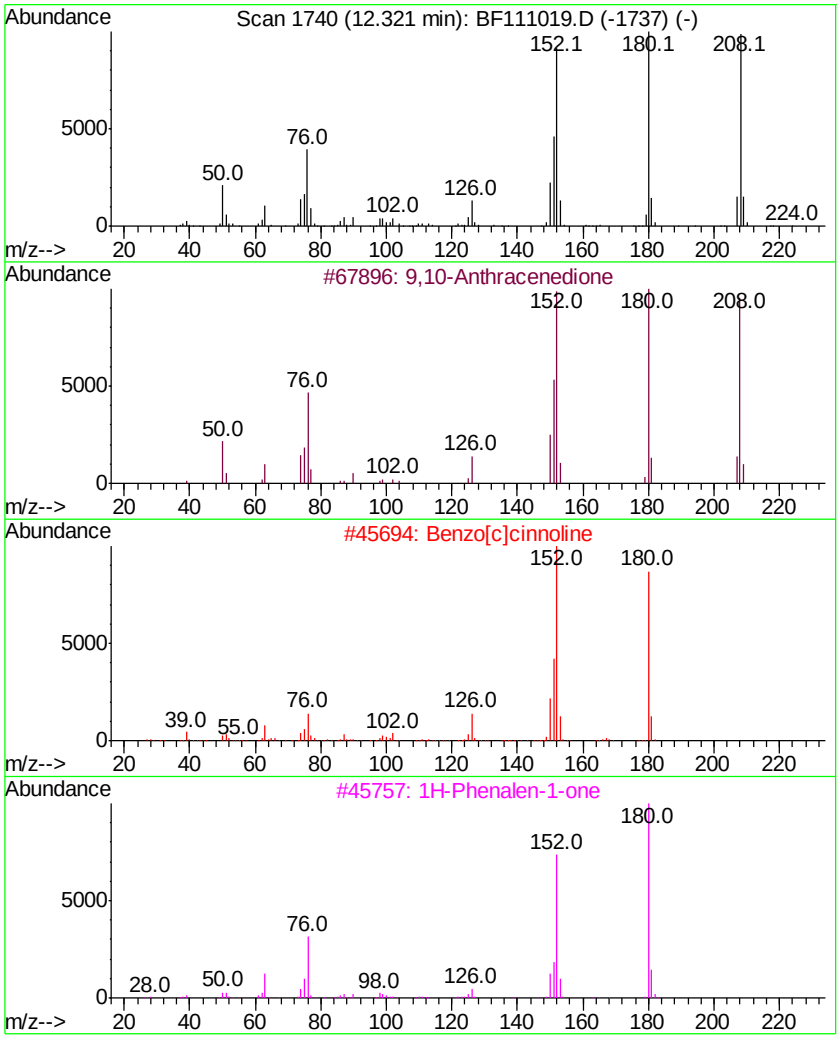
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

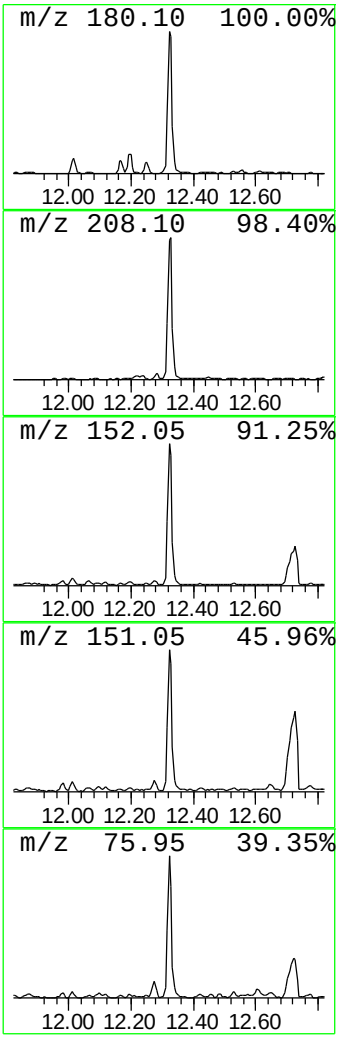
****

Peak Number 5 9,10-Anthracenedione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	39.26 ng	601825	Phenanthrene-d10	11.48

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	96
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	83
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	78
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	53





Library Search Compound Report

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Data File : BF111019.D
Acq On : 27 Nov 2018 19:37
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Sample : J6051-01 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

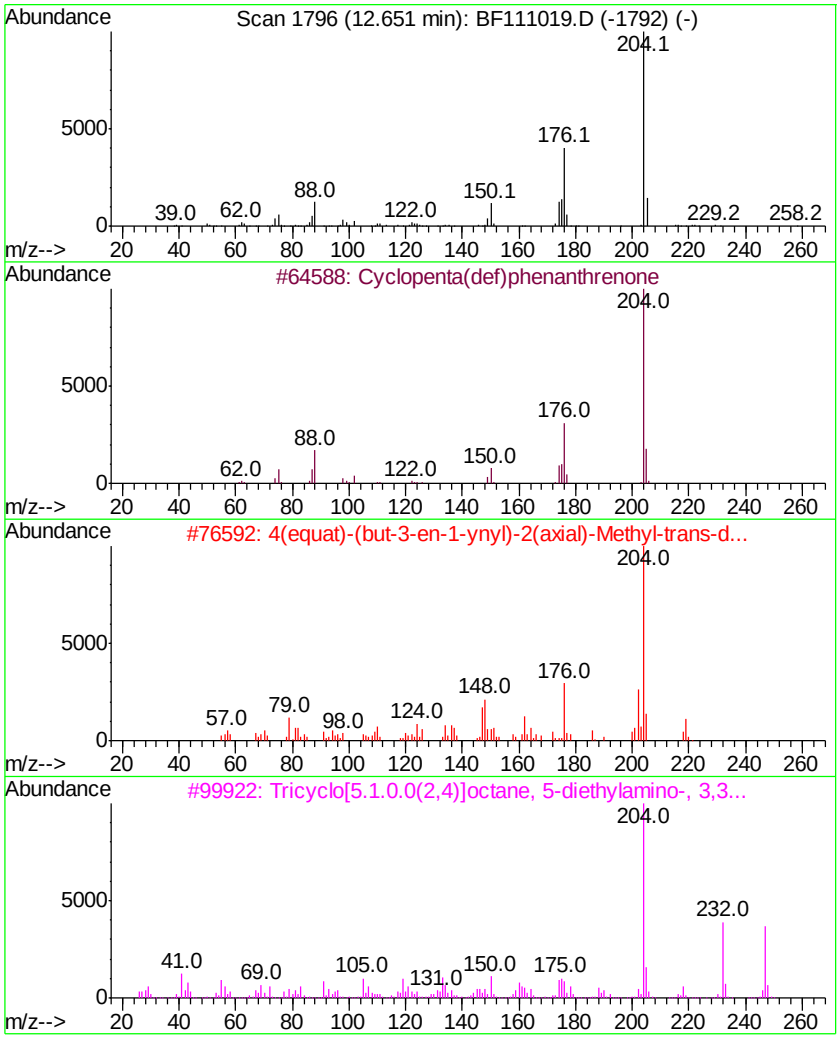
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

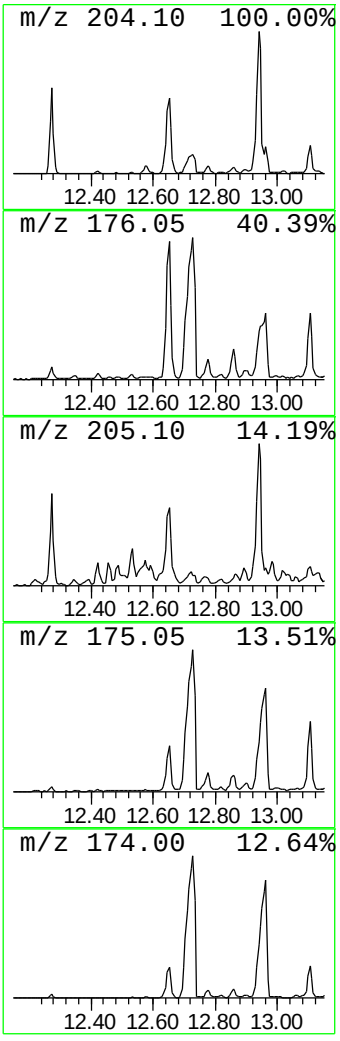
****

Peak Number 6 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	23.63 ng	362254	Phenanthrene-d10	11.48

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	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	40
4	(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13NO3	1000147-59-7	39
5	1-Ethyl-1,2,3,4-tetrahydro-6,7-m...	219	C12H13NO3	132767-88-5	38





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Operator : JU/SJ
Sample : J6051-01 10X
Misc :
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Instrument : BNA_F
ClientSampleId : SS-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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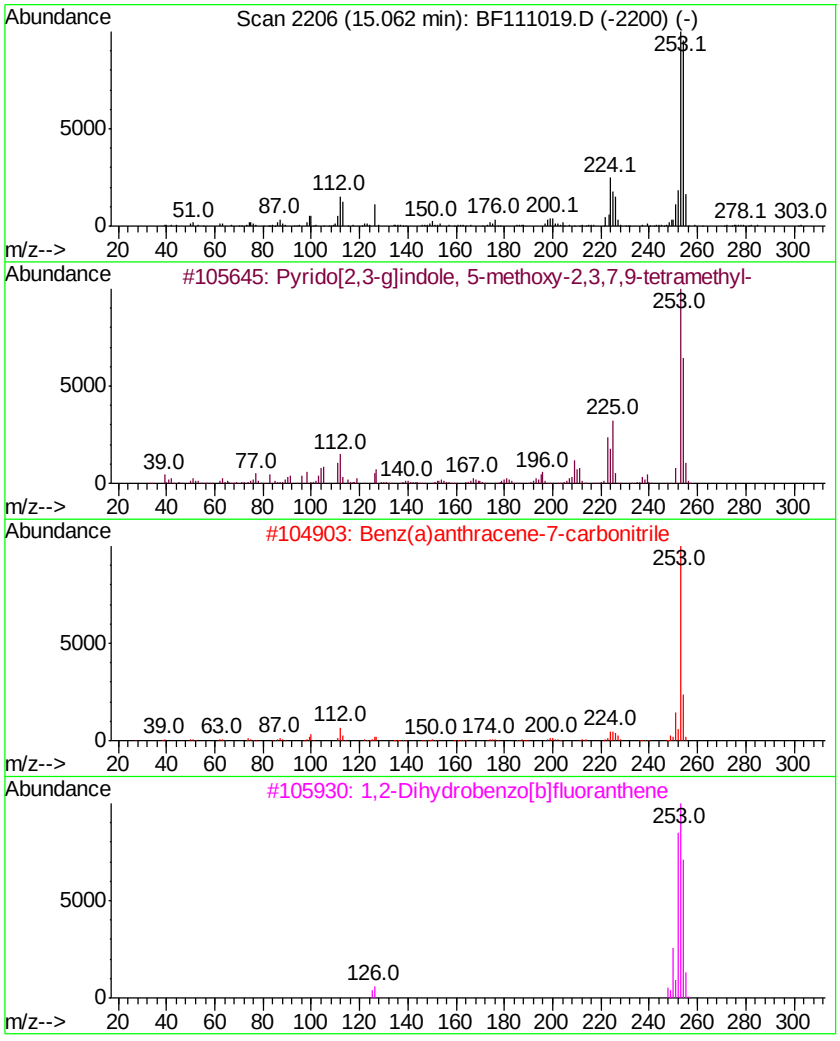
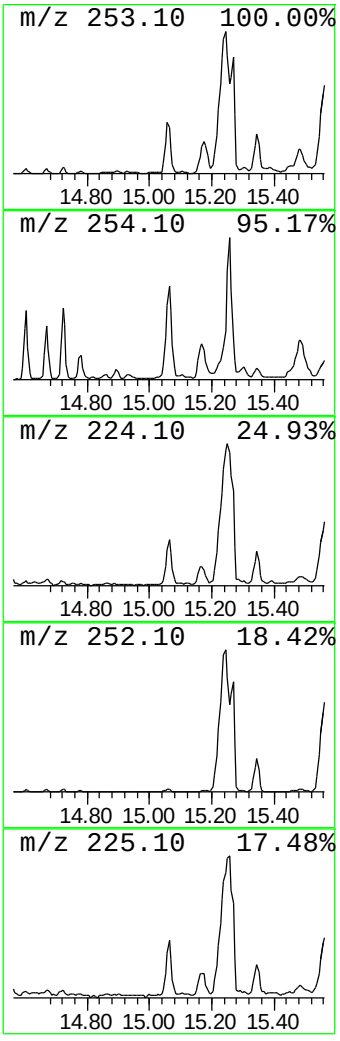
Peak Number 7 Pyrido[2,3-g]indole, 5-meth... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	41.69 ng	382604	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrido[2,3-g]indole, 5-methoxy-2...	254	C16H18N2O	201991-45-9	72
2	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	70
3	1,2-Dihydrobenzo[b]fluoranthene	254	C20H14	100516-13-0	68
4	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	64
5	3H-Pyrrolo[3,2-f]quinoline, 5-me...	254	C16H18N2O	1000350-44-1	64





Library Search Compound Report

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

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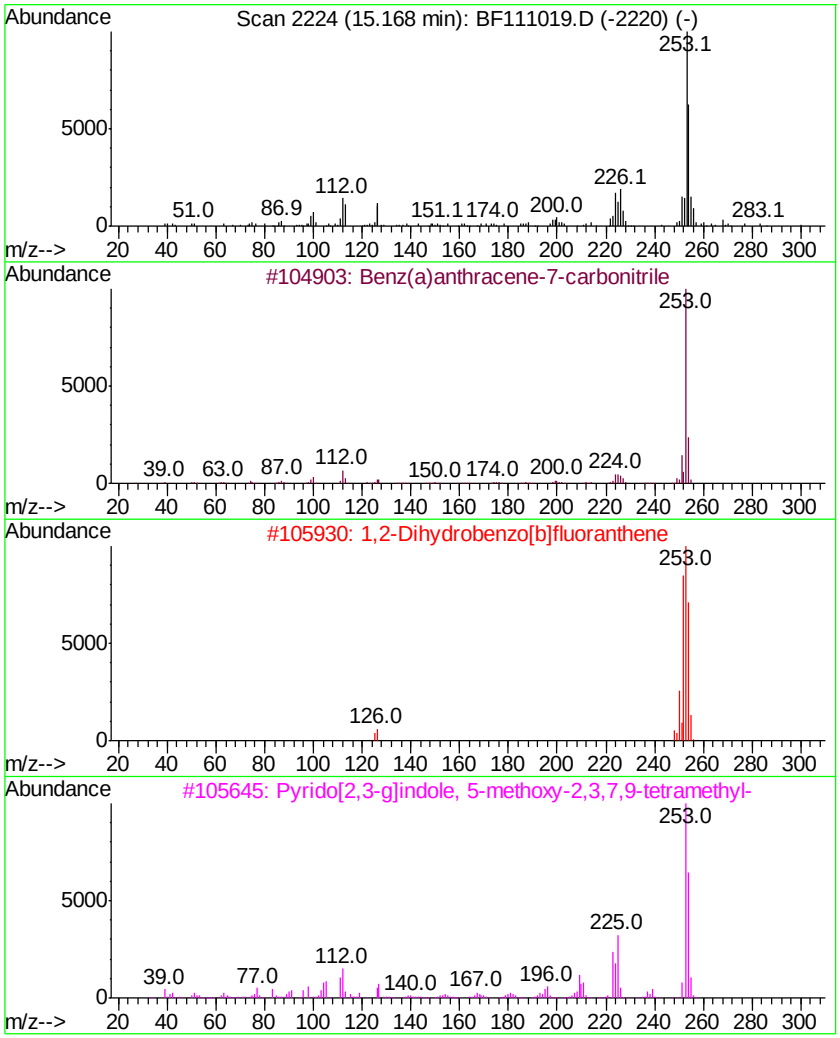
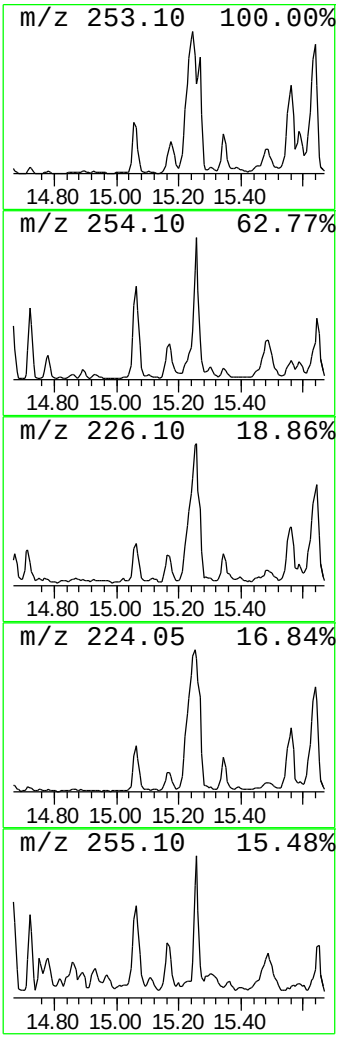
Peak Number 8 Benz(a)anthracene-7-carboni... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	20.07 ng	184236	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	60
2	1,2-Dihydrobenzo[b]fluoranthene	254	C20H14	100516-13-0	59
3	Pyrido[2,3-g]indole, 5-methoxy-2...	254	C16H18N2O	201991-45-9	53
4	2H-Pyrazolo[3',4':5,6]pyrimido[2...	254	C13H10N4O2	1000318-77-9	50
5	1,1'-Binaphthalene	254	C20H14	000604-53-5	49





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ClientSampleId : SS-01

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

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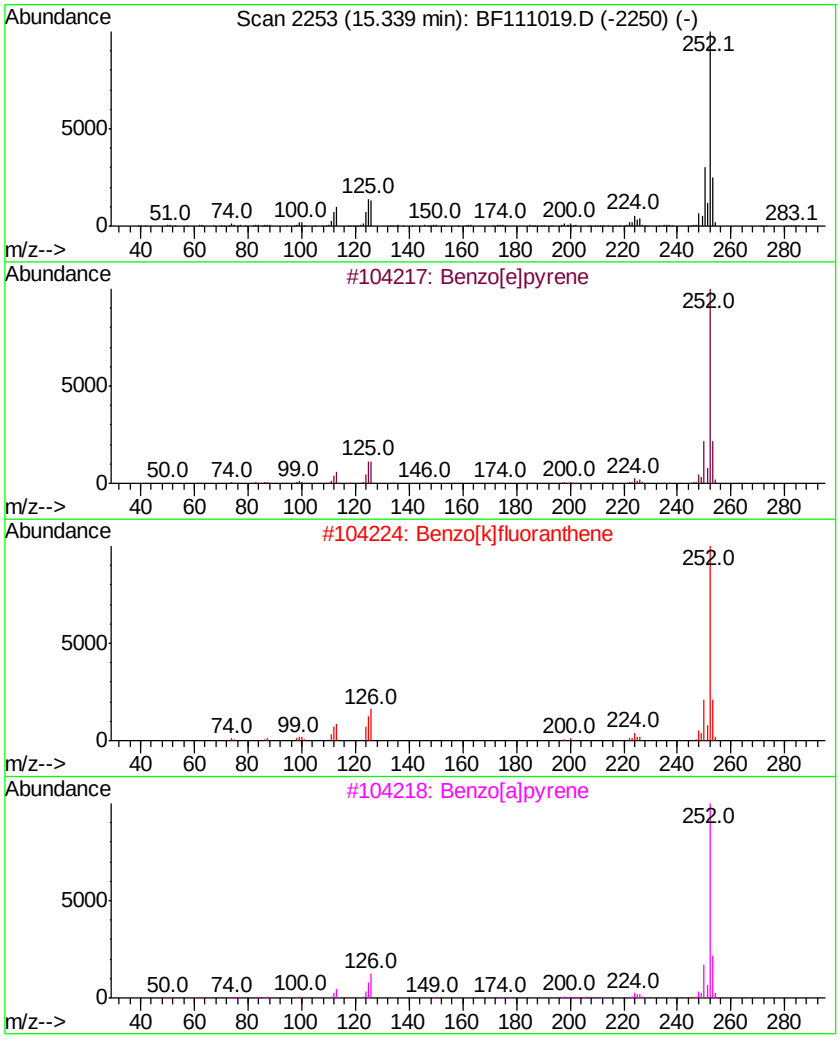
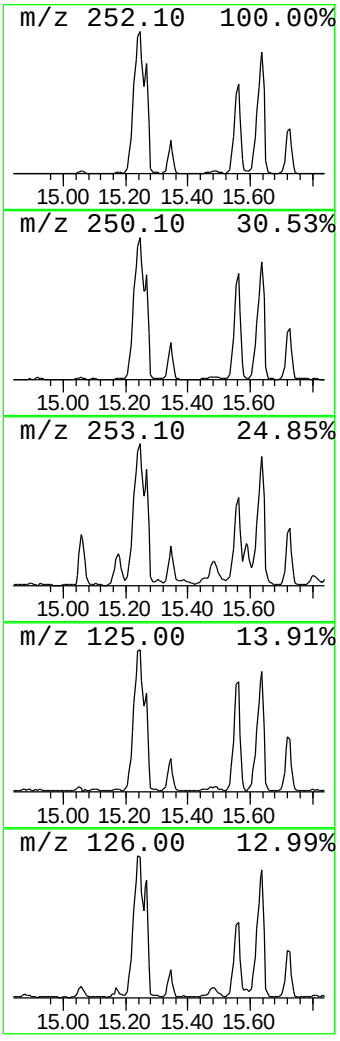
Peak Number 9 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	52.02 ng	477474	Perylene-d12	15.69

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	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Perylene	252	C20H12	000198-55-0	86





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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-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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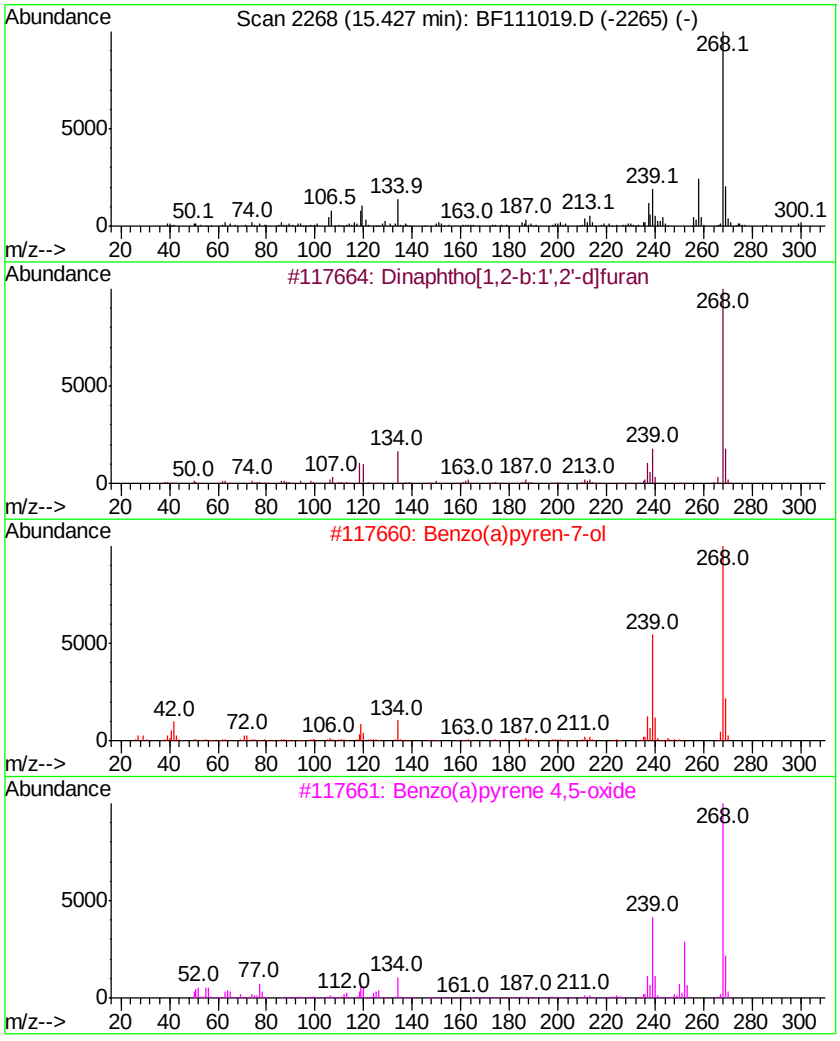
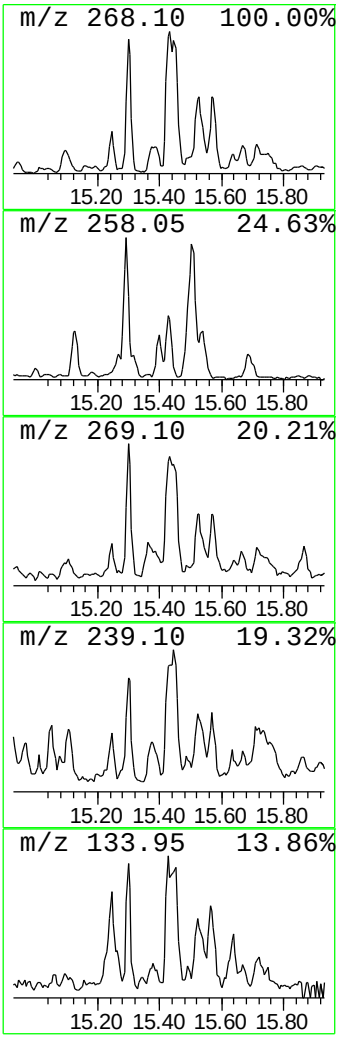
Peak Number 10 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.43	17.73 ng	162745	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	89
2	Benzo(a)pyren-7-ol	268	C20H12O	037994-82-4	58
3	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	58
4	9,10-Anthracenedione, 1,4,5,8-te...	268	C14H12N4O2	002475-45-8	53
5	4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	50





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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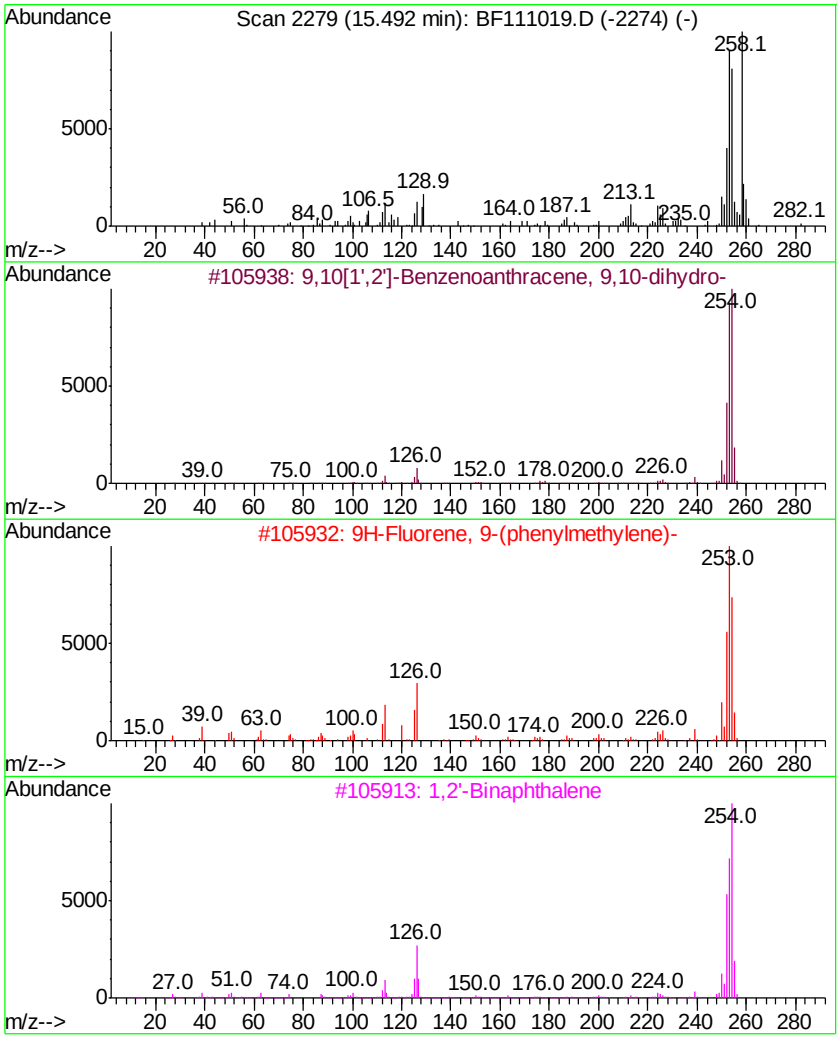
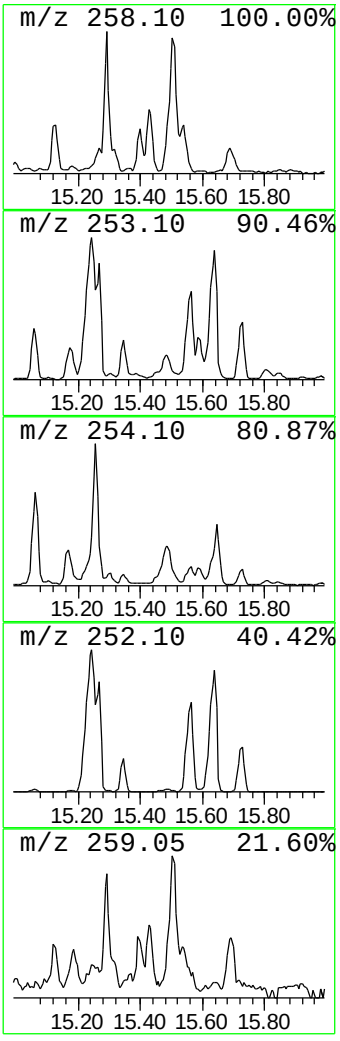
Peak Number 11 9,10[1',2']-Benzenoanthrace... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.49	28.00 ng	256999	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	60
2	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	60
3	1,2'-Binaphthalene	254	C20H14	004325-74-0	50
4	Benzofuran-6-ol-3-one, 2-[4-hydr...	254	C15H10O4	1000128-64-9	46
5	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	45





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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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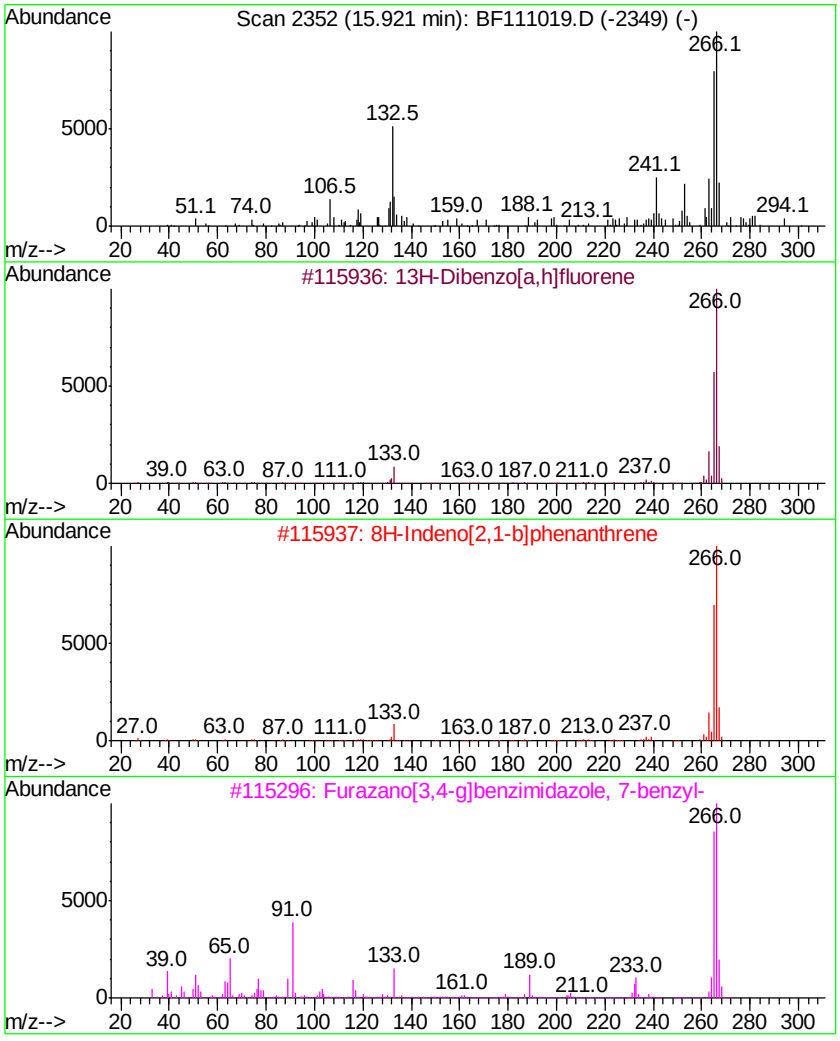
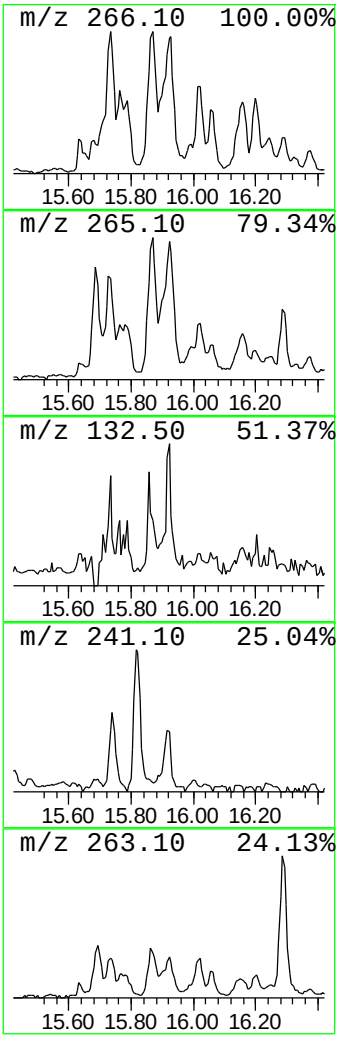
Peak Number 13 13H-Dibenzo[a,h]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	16.93 ng	155344	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	58
2	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	58
3	Furazano[3,4-g]benzimidazole, 7-...	266	C14H10N4S	129485-61-6	49
4	1-Benzothieno[3,2-f]quinazoline-...	266	C14H10N4S	065642-92-4	47
5	Spiro(pyrazole-3,9'-fluorene), 5...	294	C21H14N2	158525-20-3	47





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Misc :
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Instrument : BNA_F
ClientSampleId : SS-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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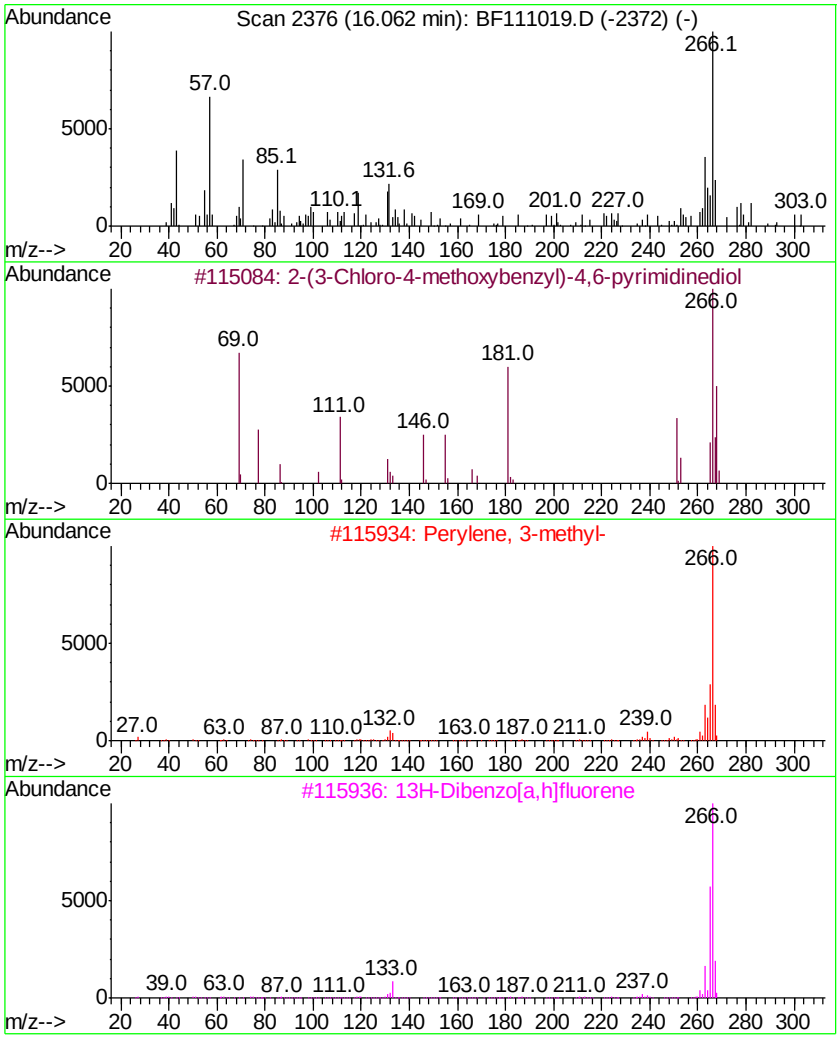
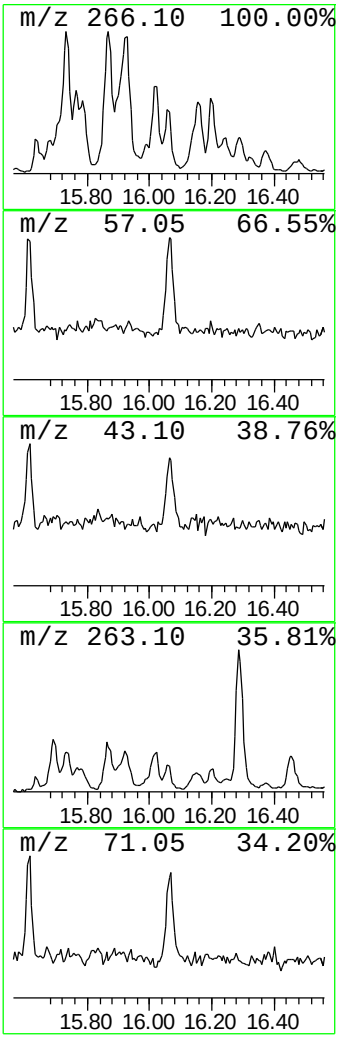
Peak Number 14 unknown16.06 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	14.19 ng	130235	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(3-Chloro-4-methoxybenzyl)-4,6...	266	C12H11ClN2O3	1000327-10-0	43
2	Perylene, 3-methyl-	266	C21H14	024471-47-4	38
3	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	35
4	9,10-Anthracenedione, 1,4-bis(am...	266	C16H14N2O2	077862-13-6	35
5	3,4-Dihydroisoquinoline, 1-[3-hy...	267	C17H17NO2	084375-15-5	35





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Misc :
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Instrument : BNA_F
ClientSampleId : SS-01

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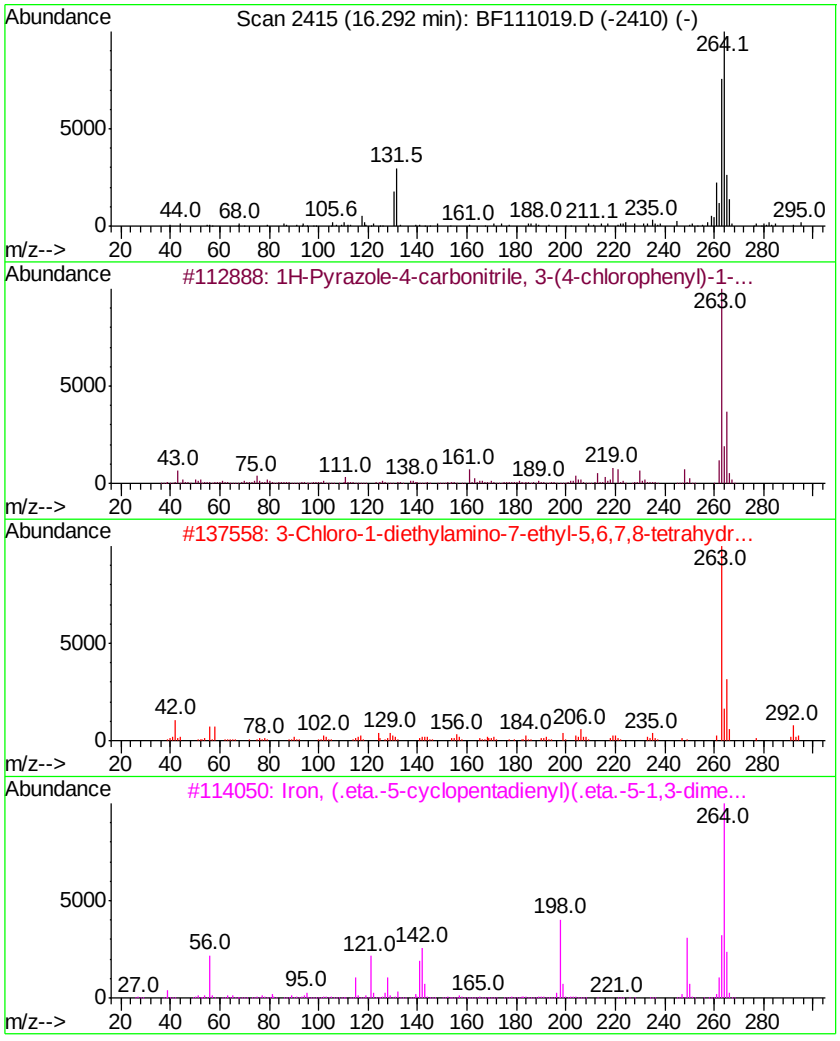
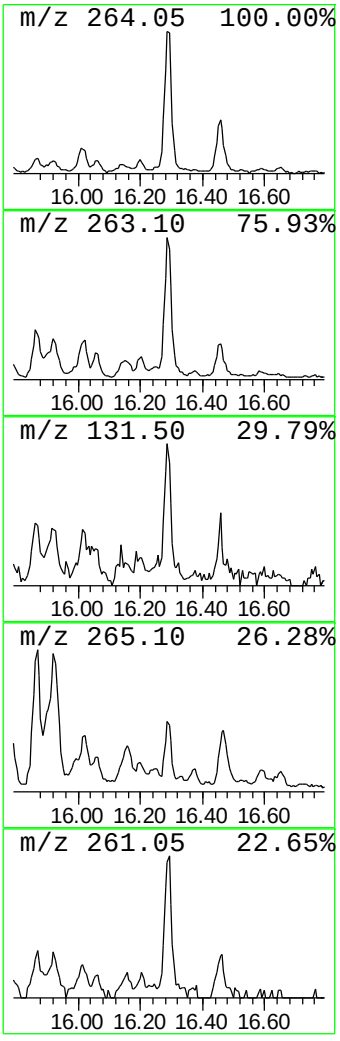
Peak Number 15 unknown16.29 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	15.50 ng	142289	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10ClN3S	068364-67-0	38
2	3-Chloro-1-diethylamino-7-ethyl-...	292	C15H21ClN4	1000274-36-7	35
3	Iron, (.eta.-5-cyclopentadienyl)...	264	C16H16Fe	1000155-06-6	32
4	Lycopodan-5-one, 12-hydroxy-15-m...	263	C16H25NO2	006900-92-1	25
5	6-Oxo-5-phenyl-2,3,5,6-tetrahydr...	263	C16H13N3O	087365-22-8	25





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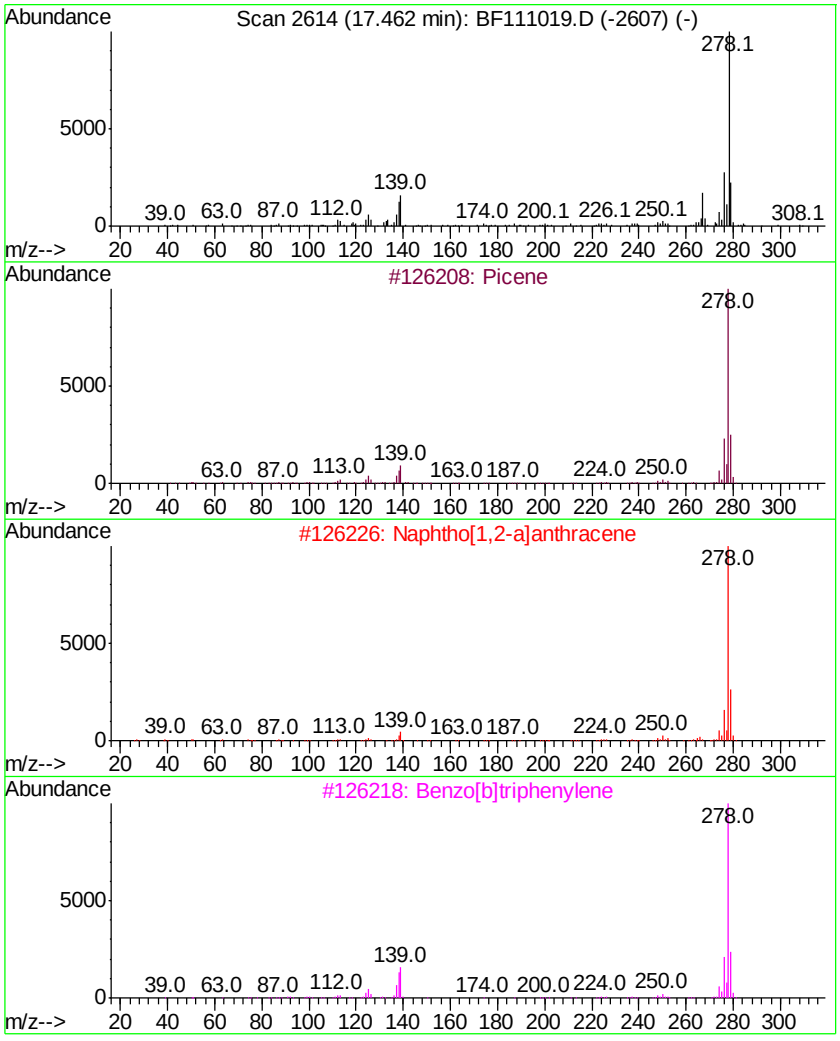
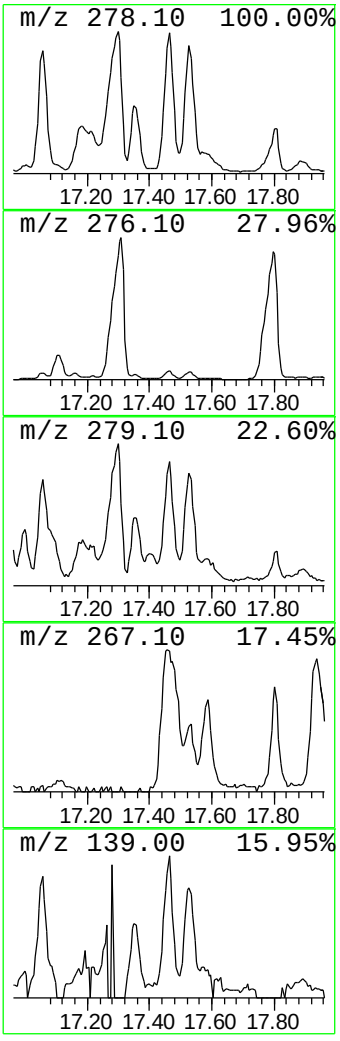
Peak Number 18 Picene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.46	40.30 ng	369869	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	93
2	Naphtho[1,2-a]anthracene	278	C22H14	000195-06-2	89
3	Benzo[b]triphenylene	278	C22H14	000215-58-7	89
4	Pentacene	278	C22H14	000135-48-8	86
5	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	86





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

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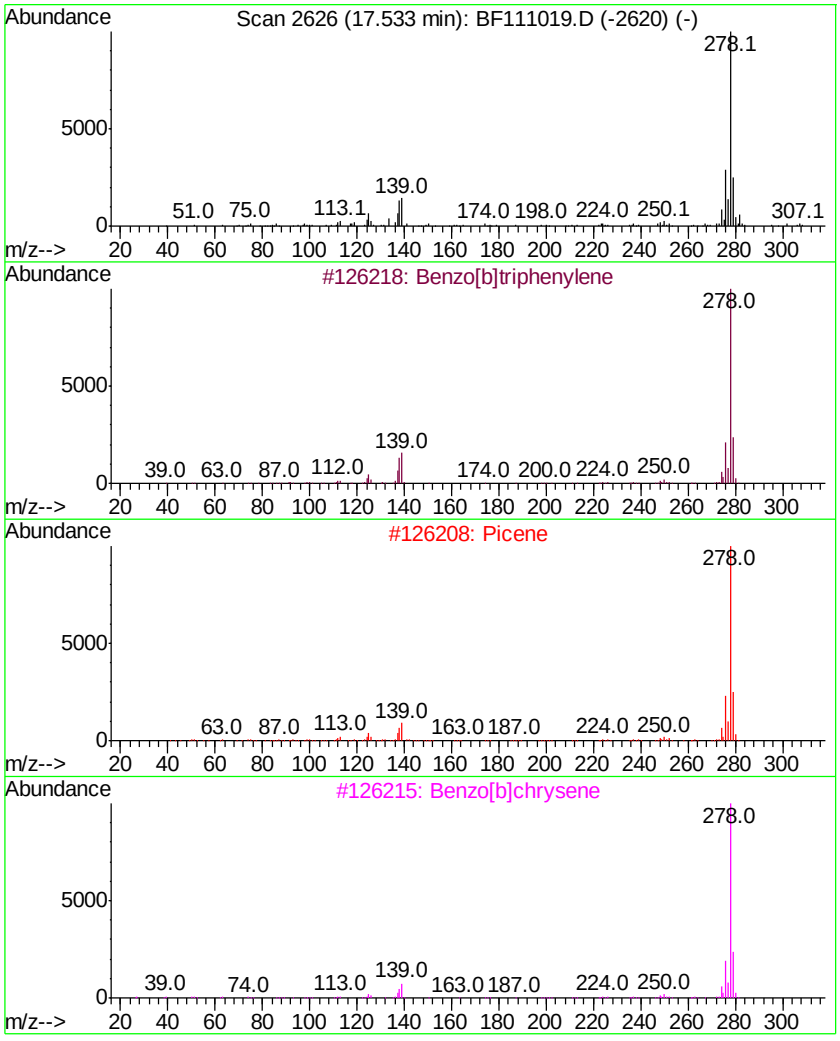
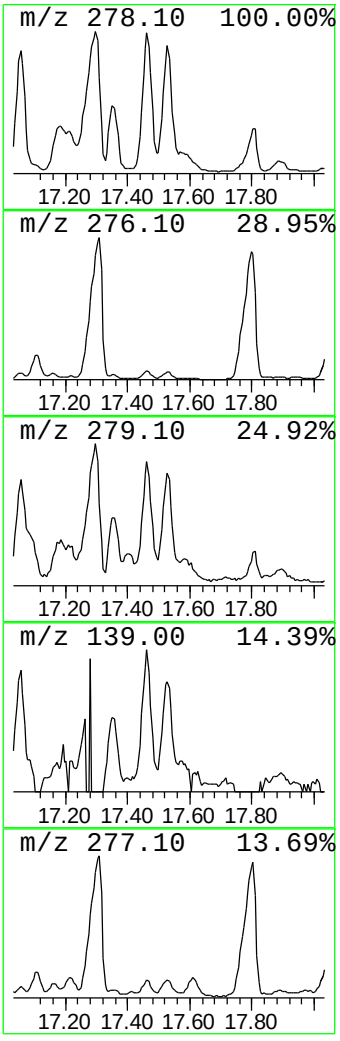
Peak Number 19 Benzo[b]triphenylene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.53	26.33 ng	241618	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
2	Picene	278	C22H14	000213-46-7	98
3	Benzo[b]chrysene	278	C22H14	000214-17-5	95
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	95
5	Benzo[a]naphthacene	278	C22H14	000226-88-0	94





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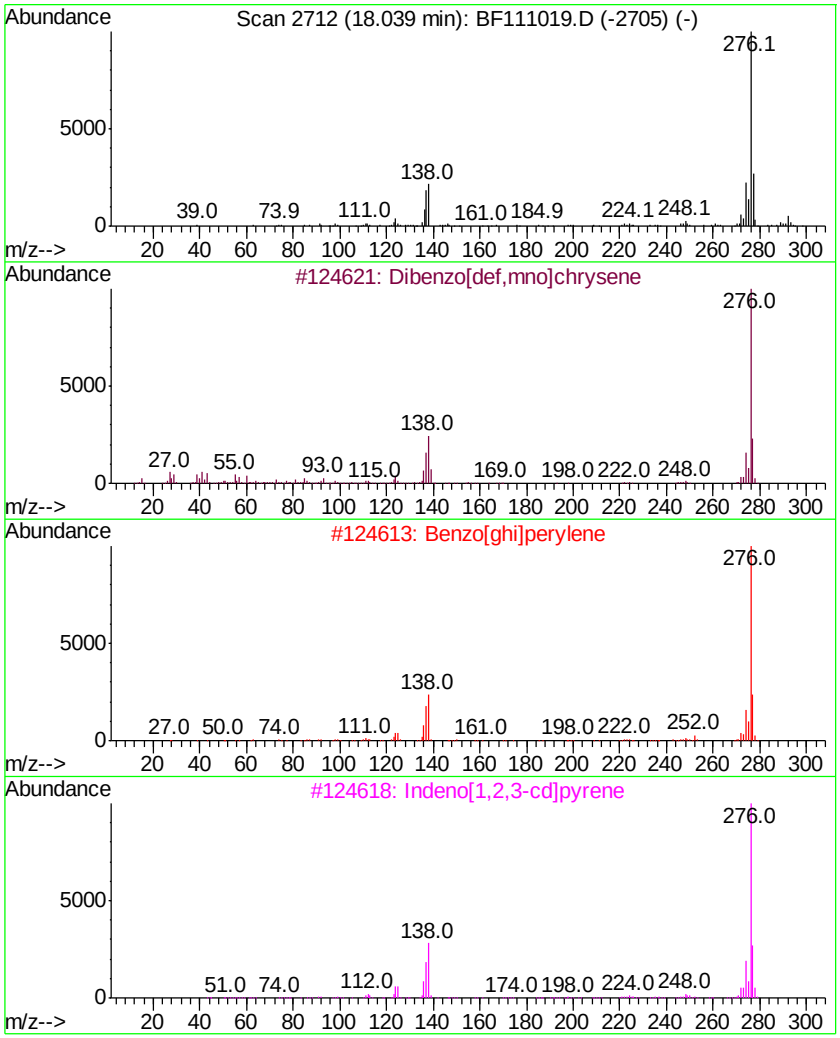
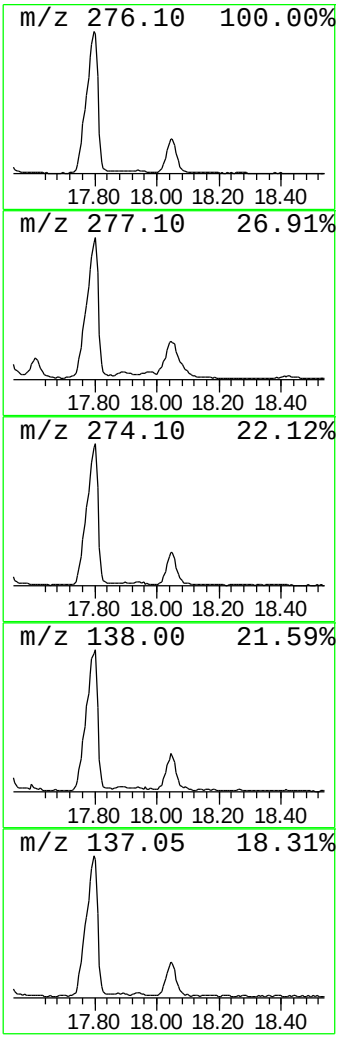
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	49.86 ng	457568	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	95
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	95
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	93
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	81
5	Phenol, 2-(4-chlorophenyliminome...	276	C13H9ClN2O3	1000262-90-3	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF112718\
Data File : BF111019.D
Acq On : 27 Nov 2018 19:37
Operator : JU/SJ
Sample : J6051-01 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.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
Phenanthrene, 2-m...	12.01	26.4	ng	404491	4	11.48	306565	20.0
4H-Cyclopenta[def...	12.10	55.7	ng	853232	4	11.48	306565	20.0
Naphthalene, 2-ph...	12.27	19.0	ng	291427	4	11.48	306565	20.0
9,10-Anthracenedione	12.32	39.3	ng	601825	4	11.48	306565	20.0
Cyclopenta(def)ph...	12.65	23.6	ng	362254	4	11.48	306565	20.0
Pyrido[2,3-g]indo...	15.06	41.7	ng	382604	6	15.69	183557	20.0
Benz(a)anthracene...	15.17	20.1	ng	184236	6	15.69	183557	20.0
Benzo[e]pyrene	15.34	52.0	ng	477474	6	15.69	183557	20.0
Dinaphtho[1,2-b:1...	15.43	17.7	ng	162745	6	15.69	183557	20.0
9,10[1',2']-Benze...	15.49	28.0	ng	256999	6	15.69	183557	20.0
13H-Dibenzo[a,h]f...	15.92	16.9	ng	155344	6	15.69	183557	20.0
unknown16.06	16.06	14.2	ng	130235	6	15.69	183557	20.0
unknown16.29	16.29	15.5	ng	142289	6	15.69	183557	20.0
Picene	17.46	40.3	ng	369869	6	15.69	183557	20.0
Benzo[b]triphenylene	17.53	26.3	ng	241618	6	15.69	183557	20.0
Dibenzo[def,mno]c...	18.04	49.9	ng	457568	6	15.69	183557	20.0