LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
Data File : BF107365.D
Acq On : 13 Jul 2018 14:23
Operator : JU/SJ
Sample : J3948-01 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-ST-PH4-AREA

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-BF061918.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	5.766	579	583	599	rBV	541150	700882	10.99%	0.632%
2	6.754	748	751	756	rVV	281814	327559	5.14%	0.296%
3	6.925	777	780	791	rVB	293723	263130	4.13%	0.237%
4	7.189	821	825	838	rBV	231883	261691	4.10%	0.236%
5	7.783	923	926	941	rVB	891489	879106	13.79%	0.793%
6	8.213	996	999	1001	rVV	347216	319058	5.00%	0.288%
7	8.424	1029	1035	1041	rBV	280190	260852	4.09%	0.235%
8	8.483	1041	1045	1057	rVV2	283014	349009	5.47%	0.315%
9	8.924	1116	1120	1126	rBV2	248118	272291	4.27%	0.246%
10	9.283	1176	1181	1184	rBV	264405	264068	4.14%	0.238%
11	9.589	1231	1233	1237	rVV	347666	302920	4.75%	0.273%
12	9.630	1237	1240	1242	rVV	240311	232440	3.65%	0.210%
13	9.701	1248	1252	1255	rVV	1025129	901500	14.14%	0.813%
14	9.842	1272	1276	1280	rVV	1478414	1471912	23.09%	1.328%
15	9.977	1296	1299	1302	rVV	289342	272124	4.27%	0.246%
16	10.283	1347	1351	1354	rBV2	256327	273678	4.29%	0.247%
17	10.530	1390	1393	1399	rVB	591645	577065	9.05%	0.521%
18	10.995	1470	1472	1476	rVB	387080	360012	5.65%	0.325%
19	11.077	1481	1486	1489	rVV	235967	319182	5.01%	0.288%
20	11.230	1509	1512	1516	rVV2	131086	220268	3.45%	0.199%
21	11.289	1518	1522	1524	rVV	452211	503943	7.90%	0.455%
22	11.371	1533	1536	1545	rVB	629113	591053	9.27%	0.533%
23	11.518	1551	1561	1565	rBV	2125080	4900494	76.86%	4.421%
24	11.565	1565	1569	1572	rBV	1727251	1745638	27.38%	1.575%
25	11.765	1600	1603	1606	rVB	949660	777138	12.19%	0.701%
26	11.813	1607	1611	1615	rBV3	373304	404663	6.35%	0.365%
27	11.889	1620	1624	1627	rBV2	185796	246385	3.86%	0.222%
28	11.983	1636	1640	1643	rVV	1214884	1258501	19.74%	1.135%
29	12.018	1643	1646	1649	rVB	1457067	1309124	20.53%	1.181%
30	12.060	1649	1653	1656	rBV	239493	252146	3.95%	0.227%
31	12.101	1656	1660	1662	rBV2	1623503	2032368	31.88%	1.834%
32	12.124	1662	1664	1666	rVV	1018048	775223	12.16%	0.699%
33	12.283	1686	1691	1695	rBV	1481957	1671735	26.22%	1.508%
34	12.330	1695	1699	1704	rVB	1031267	1488420	23.35%	1.343%

LSC Area Percent Report

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Data File : BF107365.D
Acq On : 13 Jul 2018 14:23
Operator : JU/SJ
Sample : J3948-01 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-ST-PH4-AREA

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-BF061918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.460	1718	1721	1723	rVB	362630	280330	4.40%	0.253%
36	12.536	1730	1734	1737	rBV	734432	868765	13.63%	0.784%
37	12.577	1737	1741	1743	rBV2	256328	327352	5.13%	0.295%
38	12.630	1747	1750	1753	rBV3	318018	387902	6.08%	0.350%
39	12.671	1753	1757	1760	rVB	718325	916965	14.38%	0.827%
40	12.724	1760	1766	1769	rBV4	1968504	4965031	77.87%	4.479%
41	12.812	1778	1781	1787	rVB	1322550	1568380	24.60%	1.415%
42	12.865	1787	1790	1792	rBV	458161	515583	8.09%	0.465%
43	12.883	1792	1793	1796	rVB	366336	293925	4.61%	0.265%
44	12.959	1799	1806	1811	rBV3	2001138	6282596	98.54%	5.668%
45	13.065	1821	1824	1826	rVB3	410334	380402	5.97%	0.343%
46	13.101	1826	1830	1834	rVB2	198853	303638	4.76%	0.274%
47	13.165	1834	1841	1845	rBV	1045218	1528301	23.97%	1.379%
48	13.271	1851	1859	1862	rVB2	1254576	2577898	40.43%	2.326%
49	13.336	1867	1870	1873	rBV	607865	569388	8.93%	0.514%
50	13.383	1873	1878	1882	rVB	1435186	1653491	25.93%	1.492%
51	13.471	1889	1893	1895	rBV	1183677	1174436	18.42%	1.060%
52	13.507	1895	1899	1902	rVB	1308440	1346084	21.11%	1.214%
53	13.571	1906	1910	1913	rBV5	183201	263027	4.13%	0.237%
54	13.636	1918	1921	1924	rBV3	189823	234008	3.67%	0.211%
55	13.695	1928	1931	1935	rVB5	219679	314610	4.93%	0.284%
56	13.795	1942	1948	1953	rVB	884879	1242833	19.49%	1.121%
57	13.924	1959	1970	1972	rBV3	1532164	3488174	54.71%	3.147%
58	13.959	1972	1976	1981	rVB2	1712919	2170396	34.04%	1.958%
59	14.018	1981	1986	1989	rVB	807444	1000721	15.70%	0.903%
60	14.065	1989	1994	2000	rVB	385860	687085	10.78%	0.620%
61	14.165	2000	2011	2013	rBV2	2066123	6130227	96.15%	5.531%
62	14.265	2026	2028	2030	rVV	430111	323074	5.07%	0.291%
63	14.318	2032	2037	2042	rVB2	1227854	1517232	23.80%	1.369%
64	14.412	2049	2053	2056	rVB3	190540	226815	3.56%	0.205%
65	14.471	2060	2063	2065	rBV2	263834	250105	3.92%	0.226%
66	14.495	2065	2067	2070	rVV2	330817	341566	5.36%	0.308%
67	14.542	2070	2075	2078	rVV	1087524	1464233	22.97%	1.321%
68	14.571	2078	2080	2082	rVV	646387	560398	8.79%	0.506%
69	14.618	2082	2088	2090	rVV2	956220	1317276	20.66%	1.188%
70	14.642	2090	2092	2094	rVV2	335199	332549	5.22%	0.300%
71	14.677	2094	2098	2104	rVV2	1063936	1815629	28.48%	1.638%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J3948-01 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-ST-PH4-AREA

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-BF061918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.736	2104	2108	2113	rVB	821686	844106	13.24%	0.762%
73	14.883	2129	2133	2138	rBV4	160094	290127	4.55%	0.262%
74	14.983	2147	2150	2154	rVB3	169582	222814	3.49%	0.201%
75	15.059	2158	2163	2168	rBV3	490902	862426	13.53%	0.778%
76	15.106	2168	2171	2181	rVB4	250069	484155	7.59%	0.437%
77	15.271	2188	2199	2202	rBV2	1900618	6375713	100.00%	5.752%
78	15.365	2210	2215	2220	rBV	681169	869272	13.63%	0.784%
79	15.477	2232	2234	2243	rVB5	140319	320852	5.03%	0.289%
80	15.595	2243	2254	2257	rVB	1719251	4090883	64.16%	3.691%
81	15.665	2257	2266	2271	rBV2	1778910	4810670	75.45%	4.340%
82	15.712	2271	2274	2276	rVV	205120	244015	3.83%	0.220%
83	15.748	2276	2280	2284	rVV2	824559	1114786	17.48%	1.006%
84	15.818	2288	2292	2297	rVB2	209217	346714	5.44%	0.313%
85	15.883	2298	2303	2306	rBV	171335	268713	4.21%	0.242%
86	16.036	2324	2329	2332	rVV2	181860	277806	4.36%	0.251%
87	16.071	2332	2335	2344	rVB3	167734	324038	5.08%	0.292%
88	16.242	2360	2364	2370	rVV	209796	389611	6.11%	0.351%
89	16.306	2370	2375	2383	rVB	359734	592724	9.30%	0.535%
90	16.889	2468	2474	2480	rBV3	148967	348600	5.47%	0.314%
91	16.947	2481	2484	2491	rVB3	123026	231707	3.63%	0.209%
92	17.077	2499	2506	2511	rBV2	315615	938238	14.72%	0.846%
93	17.342	2536	2551	2555	rVV2	1105458	3798987	59.59%	3.427%
94	17.377	2555	2557	2565	rVB	226437	321737	5.05%	0.290%
95	17.483	2567	2575	2580	rBV	346600	726808	11.40%	0.656%
96	17.553	2580	2587	2597	rVV2	297502	723029	11.34%	0.652%
97	17.659	2601	2605	2612	rVB	110758	248820	3.90%	0.224%
98	17.847	2621	2637	2645	rVB	1072829	3800624	59.61%	3.429%
99	17.965	2650	2657	2666	rVV3	114509	305313	4.79%	0.275%
100	18.065	2668	2674	2681	rVB	115266	264093	4.14%	0.238%

Sum of corrected areas: 110843384

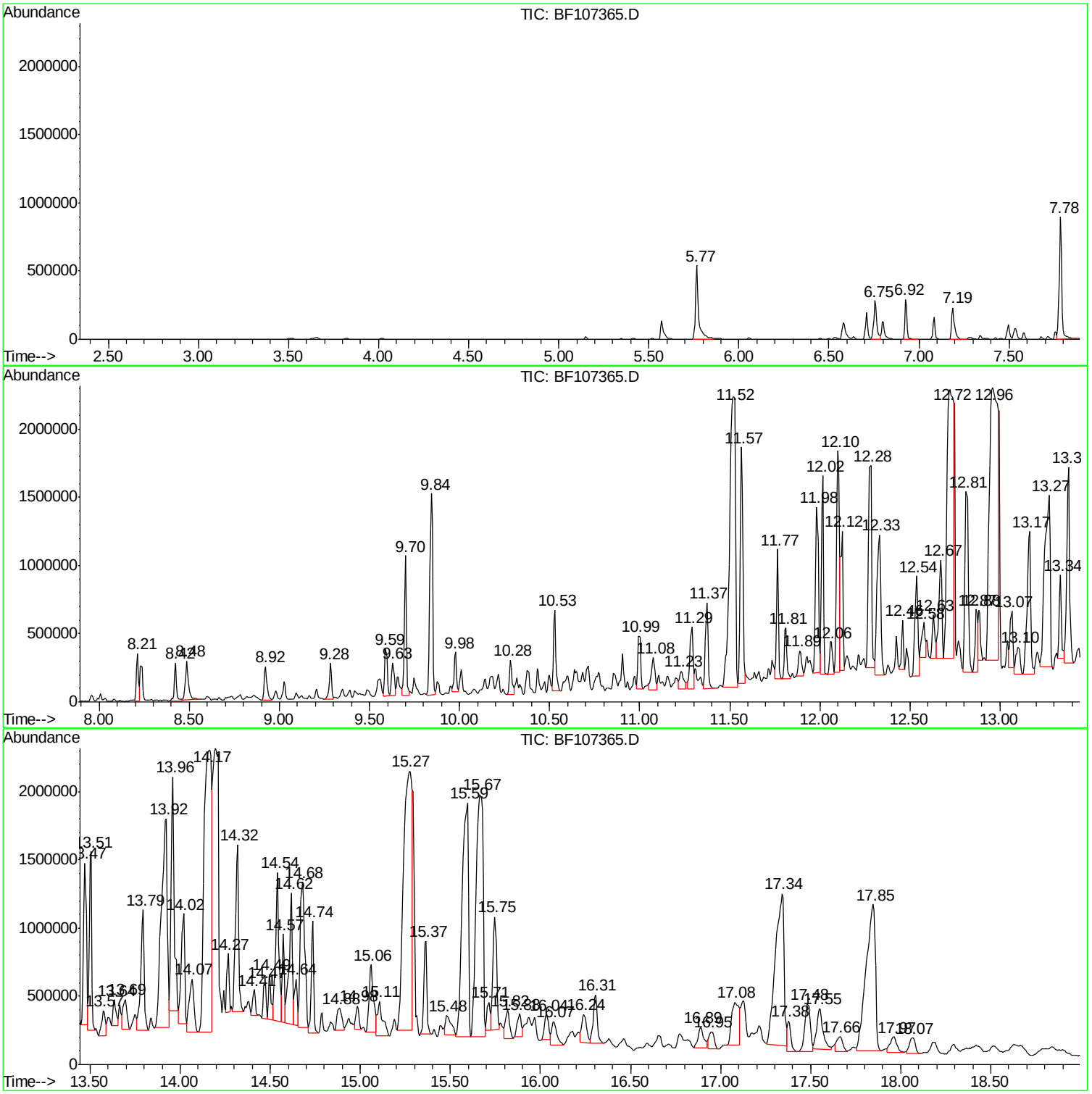
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
Data File : BF107365.D
Acq On : 13 Jul 2018 14:23
Operator : JU/SJ
Sample : J3948-01 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-ST-PH4-AREA

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
Data File : BF107365.D
Acq On : 13 Jul 2018 14:23
Operator : JU/SJ
Sample : J3948-01 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-ST-PH4-AREA

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

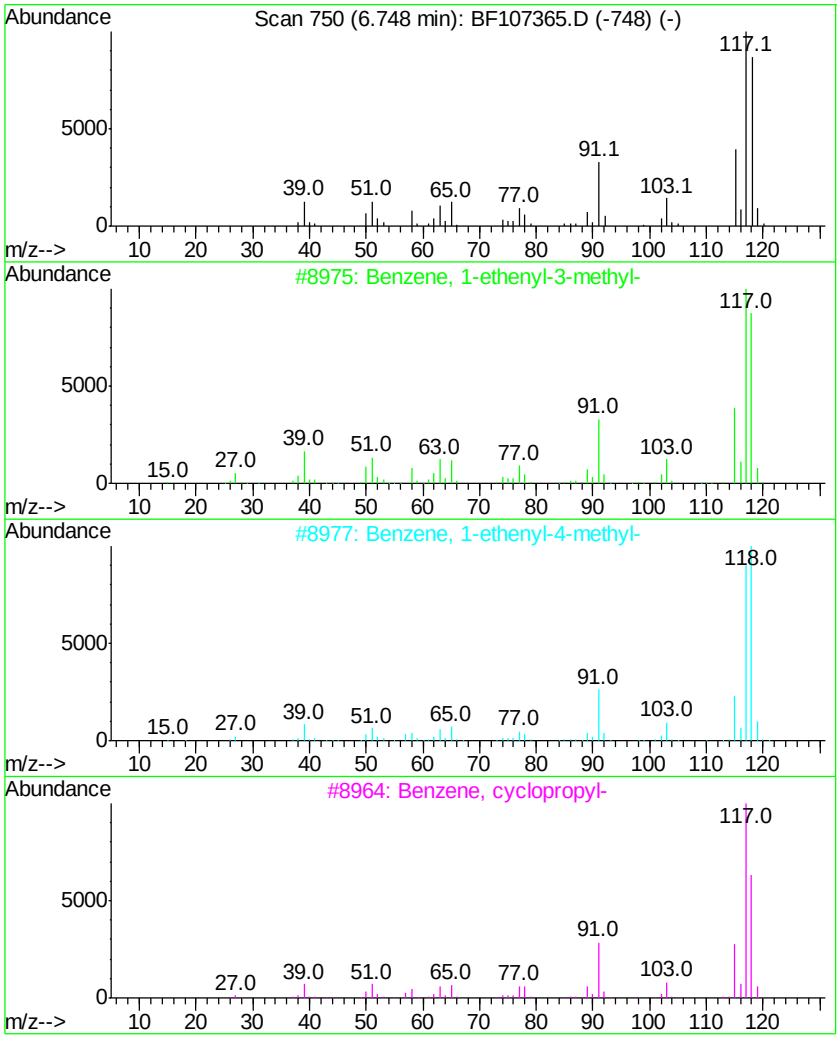
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

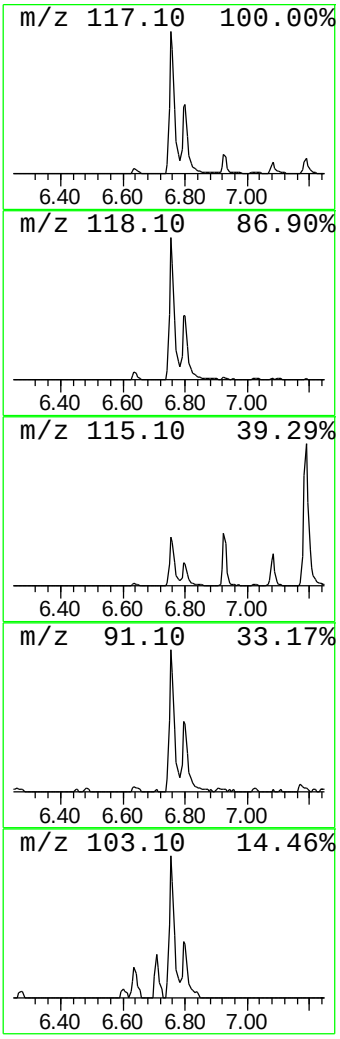
****

Peak Number 2 Benzene, 1-ethenyl-3-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.75	24.90 ng	327559	1,4-Dichlorobenzene-d4	6.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
2	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	95
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	94
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
Data File : BF107365.D
Acq On : 13 Jul 2018 14:23
Operator : JU/SJ
Sample : J3948-01 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-ST-PH4-AREA

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

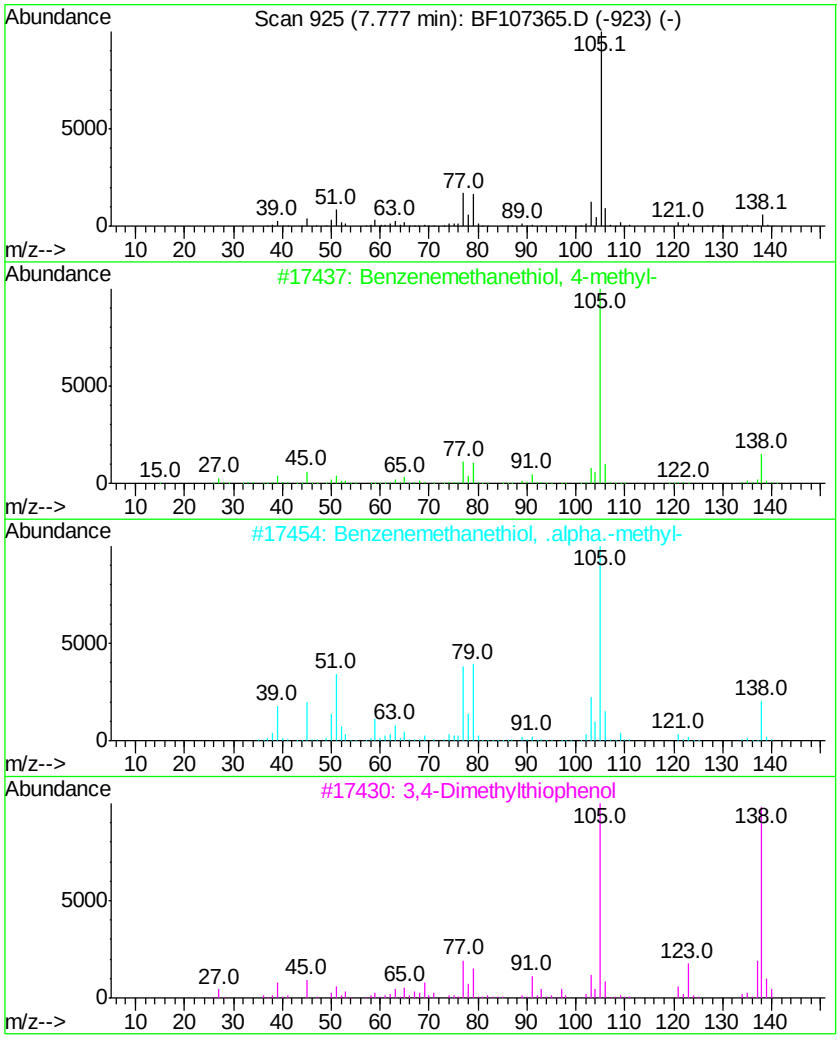
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

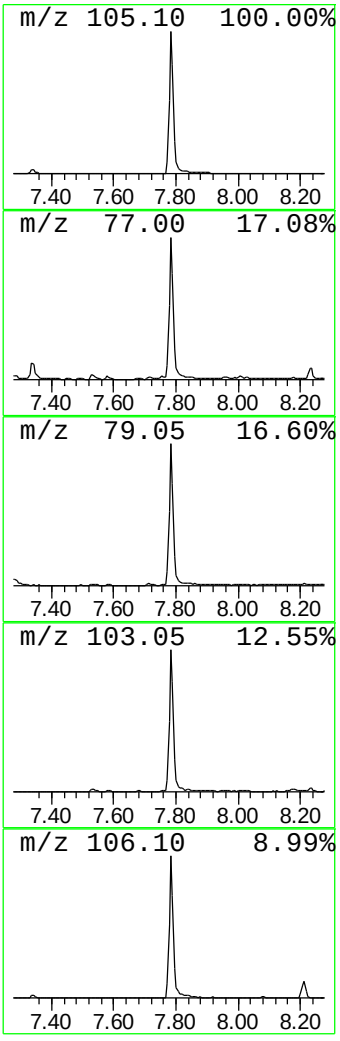
****

Peak Number 3 Benzenemethanethiol, 4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.78	55.11 ng	879106	Naphthalene-d8	8.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenemethanethiol, 4-methyl-	138	C8H10S	004498-99-1	86
2	Benzenemethanethiol, .alpha.-met...	138	C8H10S	006263-65-6	81
3	3,4-Dimethylthiophenol	138	C8H10S	018800-53-8	78
4	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	64
5	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	64





Library Search Compound Report

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Acq On : 13 Jul 2018 14:23
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Sample : J3948-01 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-ST-PH4-AREA

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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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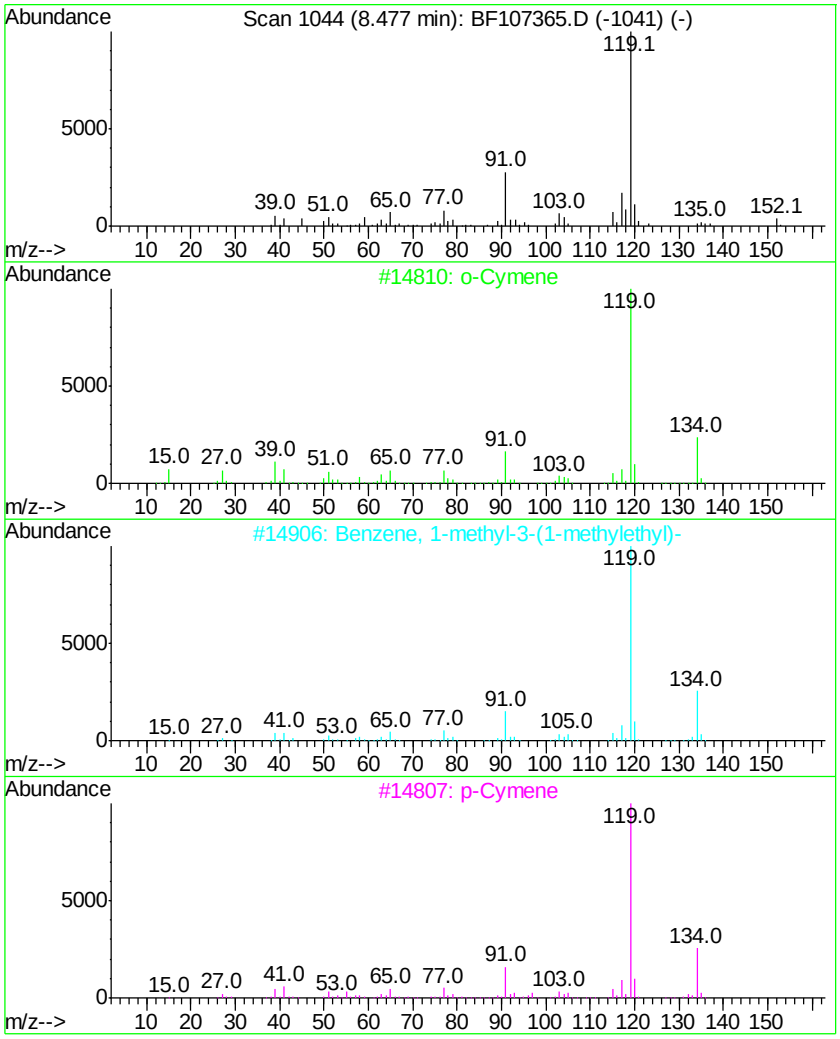
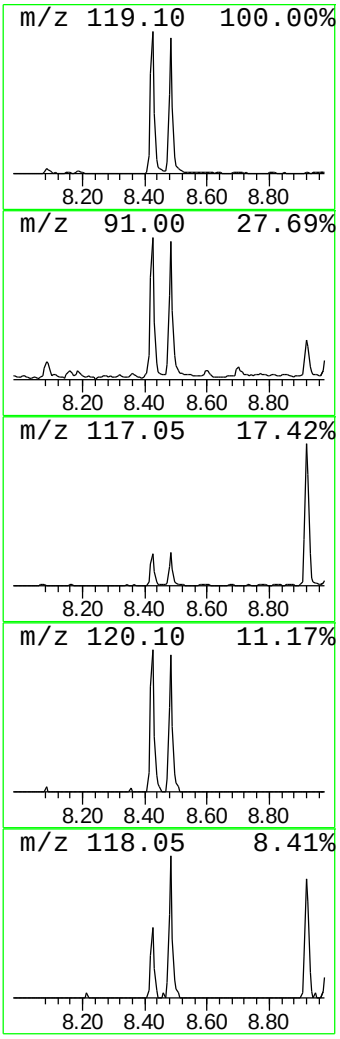
Peak Number 4 o-Cymene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.48	21.88 ng	349009	Naphthalene-d8	8.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	81
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	81
3	p-Cymene	134	C10H14	000099-87-6	80
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	72
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
Data File : BF107365.D
Acq On : 13 Jul 2018 14:23
Operator : JU/SJ
Sample : J3948-01 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-ST-PH4-AREA

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

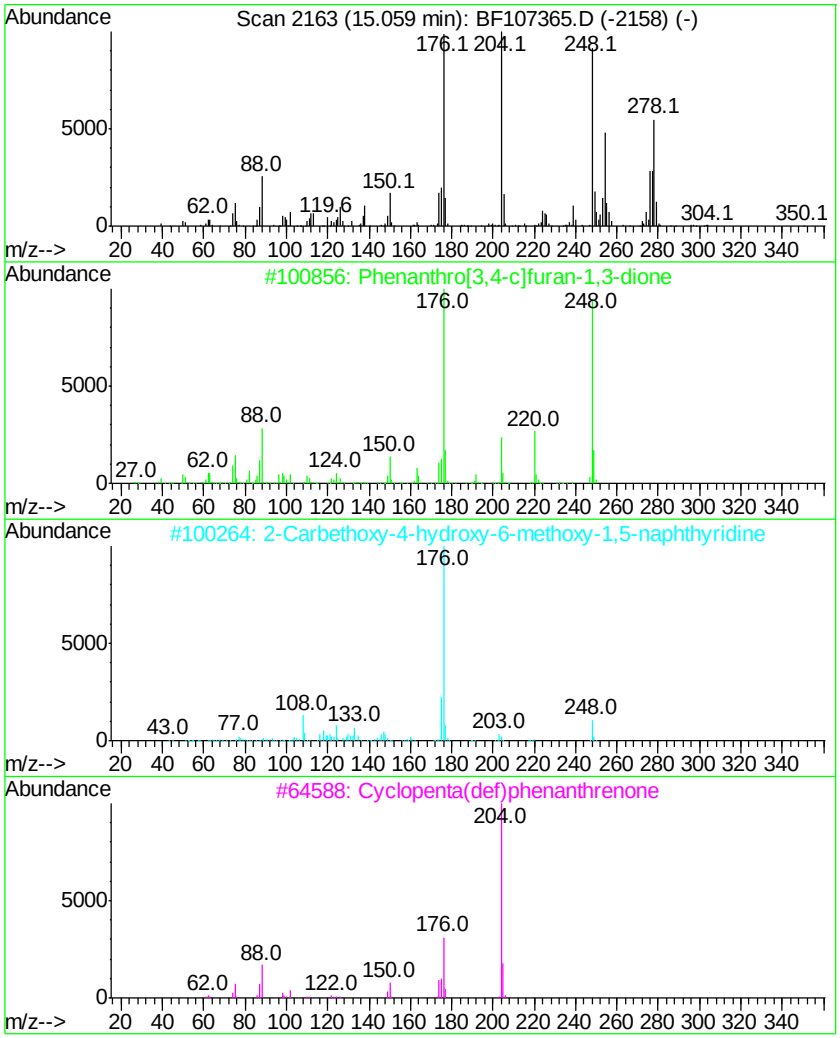
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

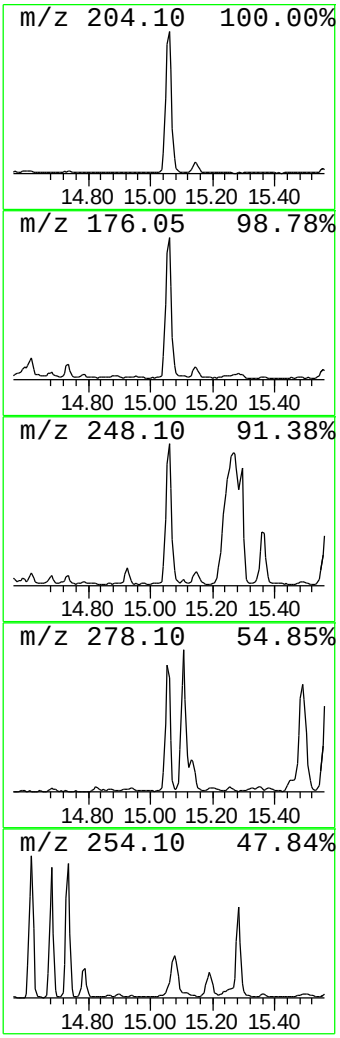
****

Peak Number 6 unknown15.06 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	70.69 ng	862426	Perylene-d12	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthro[3,4-c]furan-1,3-dione	248	C16H8O3	005723-54-6	45
2	2-Carbethoxy-4-hydroxy-6-methoxy...	248	C12H12N2O4	1000227-07-7	35
3	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	25
4	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	22
5	Aceanthrenequinone	232	C16H8O2	006373-11-1	11





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
Data File : BF107365.D
Acq On : 13 Jul 2018 14:23
Operator : JU/SJ
Sample : J3948-01 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-ST-PH4-AREA

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

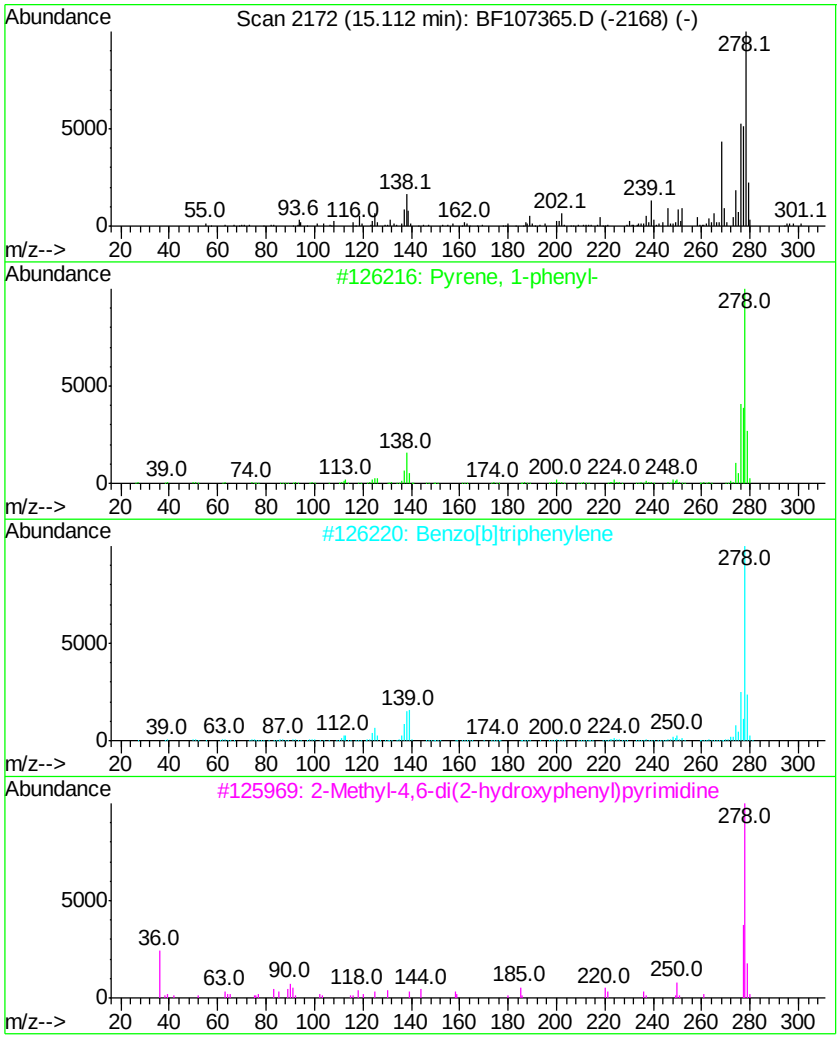
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

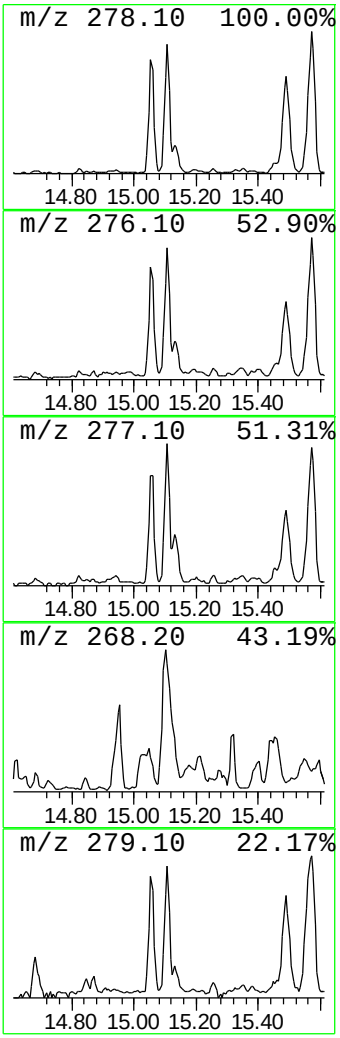
****

Peak Number 7 Pyrene, 1-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.11	39.68 ng	484155	Perylene-d12	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-phenyl-	278	C22H14	005101-27-9	64
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	46
3	2-Methyl-4,6-di(2-hydroxyphenyl)...	278	C17H14N2O2	1000070-55-8	45
4	[4,5'-Bipyrimidine]-2,2',4',6(1H...	278	C12H14N4O4	062880-87-9	38
5	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	38





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Acq On : 13 Jul 2018 14:23
Operator : JU/SJ
Sample : J3948-01 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-ST-PH4-AREA

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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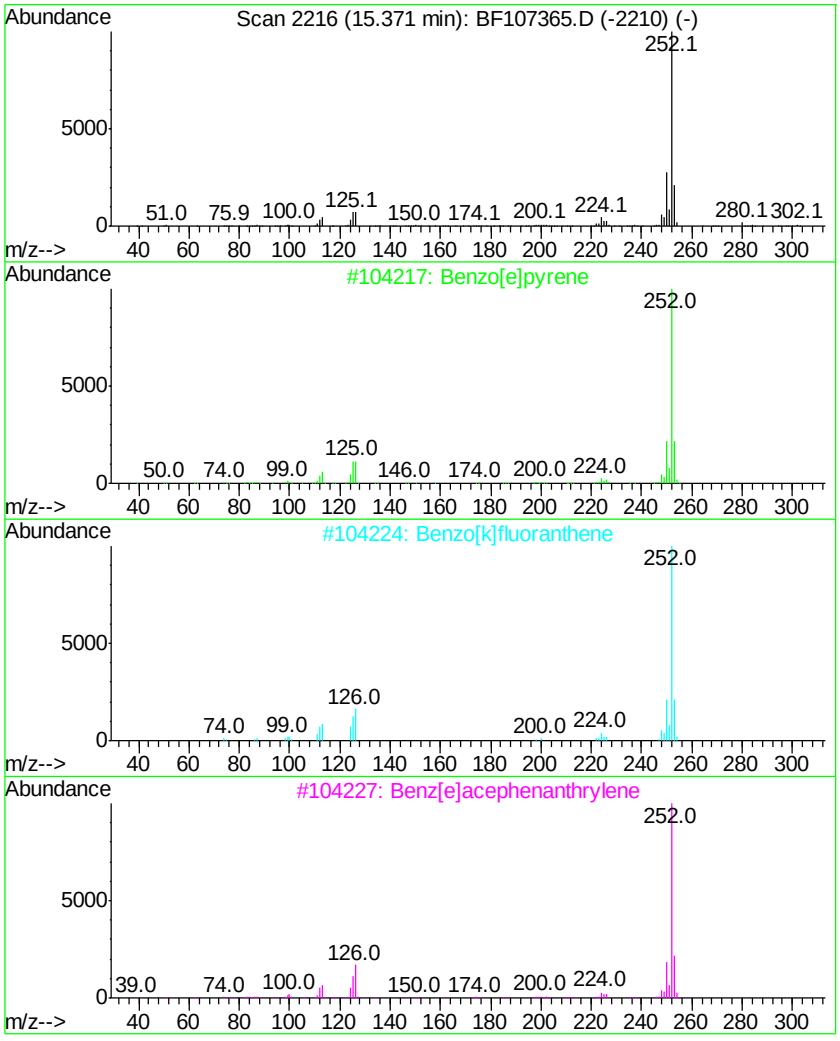
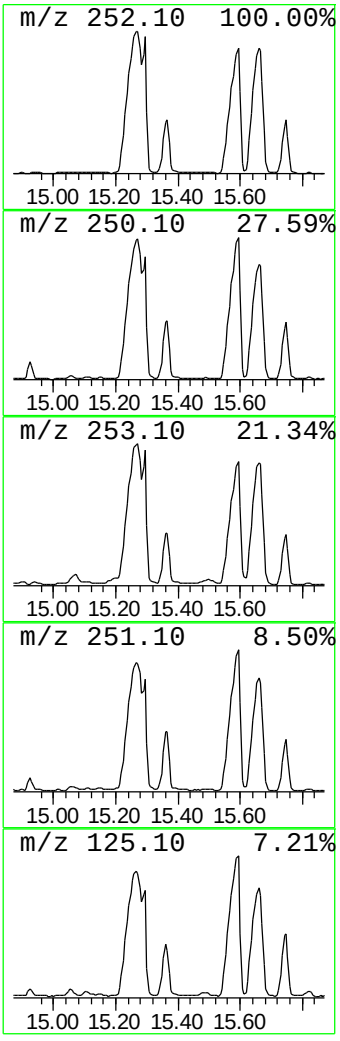
Peak Number 8 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	71.25 ng	869272	Perylene-d12	15.71

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	95
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Perylene	252	C20H12	000198-55-0	93





Library Search Compound Report

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Sample : J3948-01 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-ST-PH4-AREA

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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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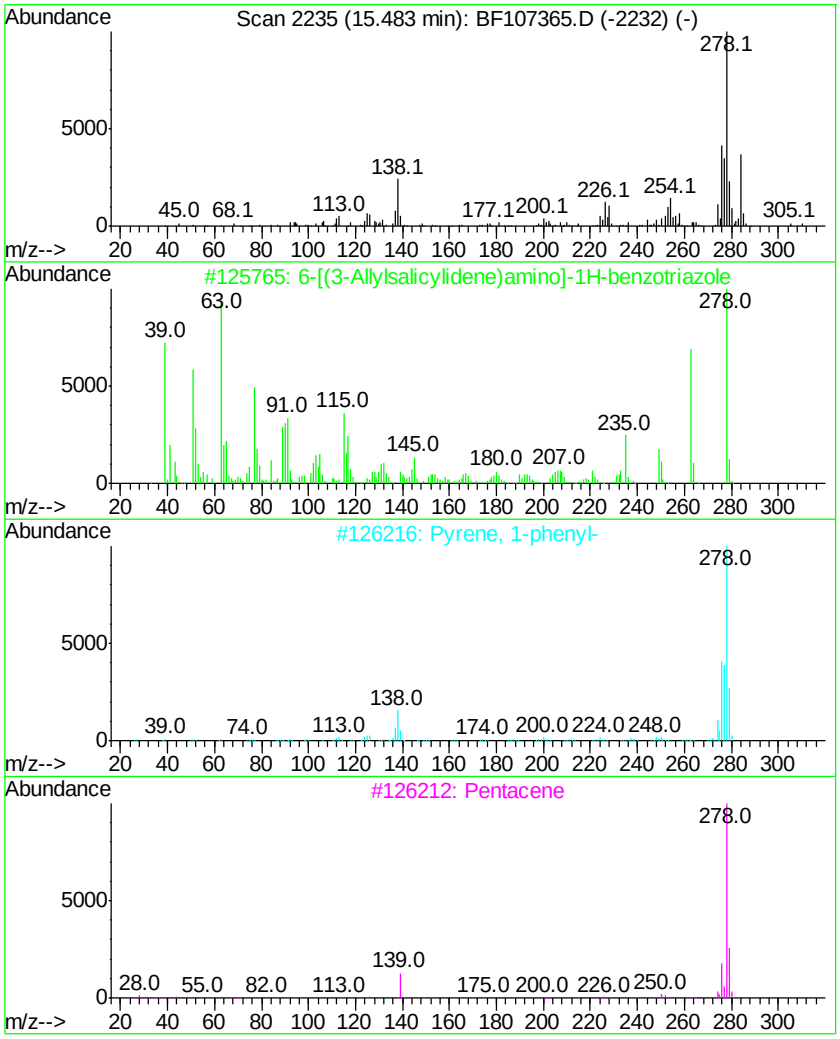
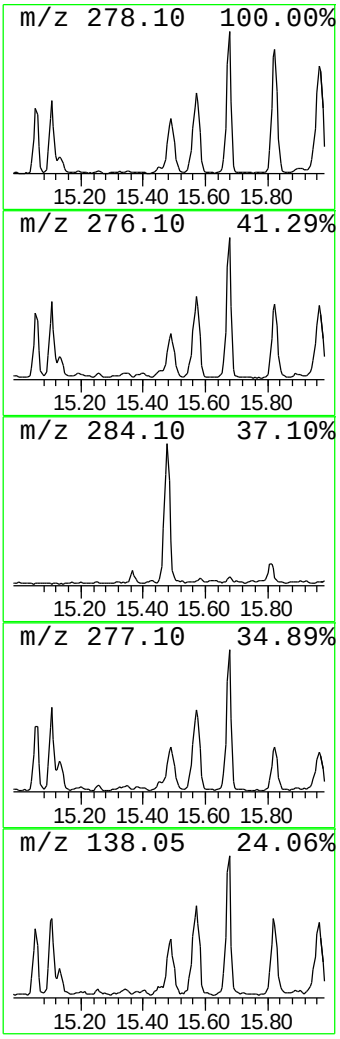
Peak Number 9 unknown15.48 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.48	26.30 ng	320852	Perylene-d12	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-[(3-Allylsalicylidene)amino]-1...	278	C16H14N4O	339108-60-0	35
2	Pyrene, 1-phenyl-	278	C22H14	005101-27-9	30
3	Pentacene	278	C22H14	000135-48-8	25
4	Chromium, cycloheptatrienyl-(pen...	278	C17H22Cr	1000157-07-5	22
5	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	22





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Sample : J3948-01 5X
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Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-ST-PH4-AREA

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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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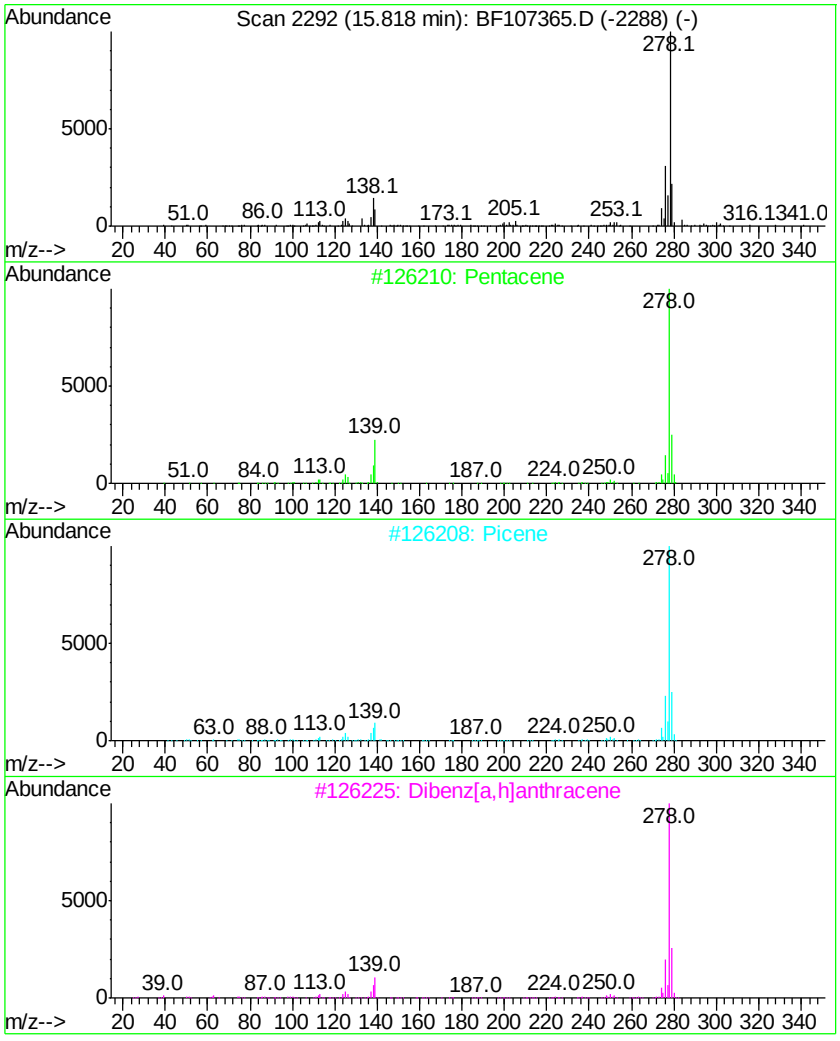
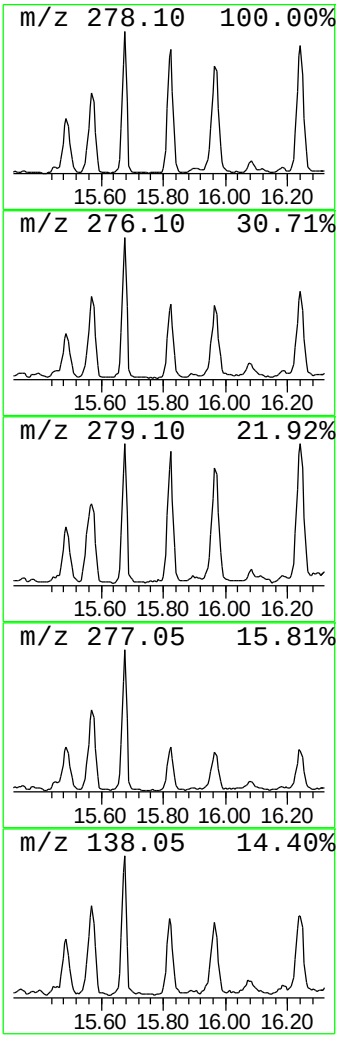
Peak Number 10 Pentacene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.82	28.42 ng	346714	Perylene-d12	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentacene	278	C22H14	000135-48-8	93
2	Picene	278	C22H14	000213-46-7	93
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	92
4	Benzo[a]naphthacene	278	C22H14	000226-88-0	76
5	Benzo[b]triphenylene	278	C22H14	000215-58-7	70





Library Search Compound Report

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Operator : JU/SJ
Sample : J3948-01 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
2018-NYSEG-CLARK-ST-PH4-AREA

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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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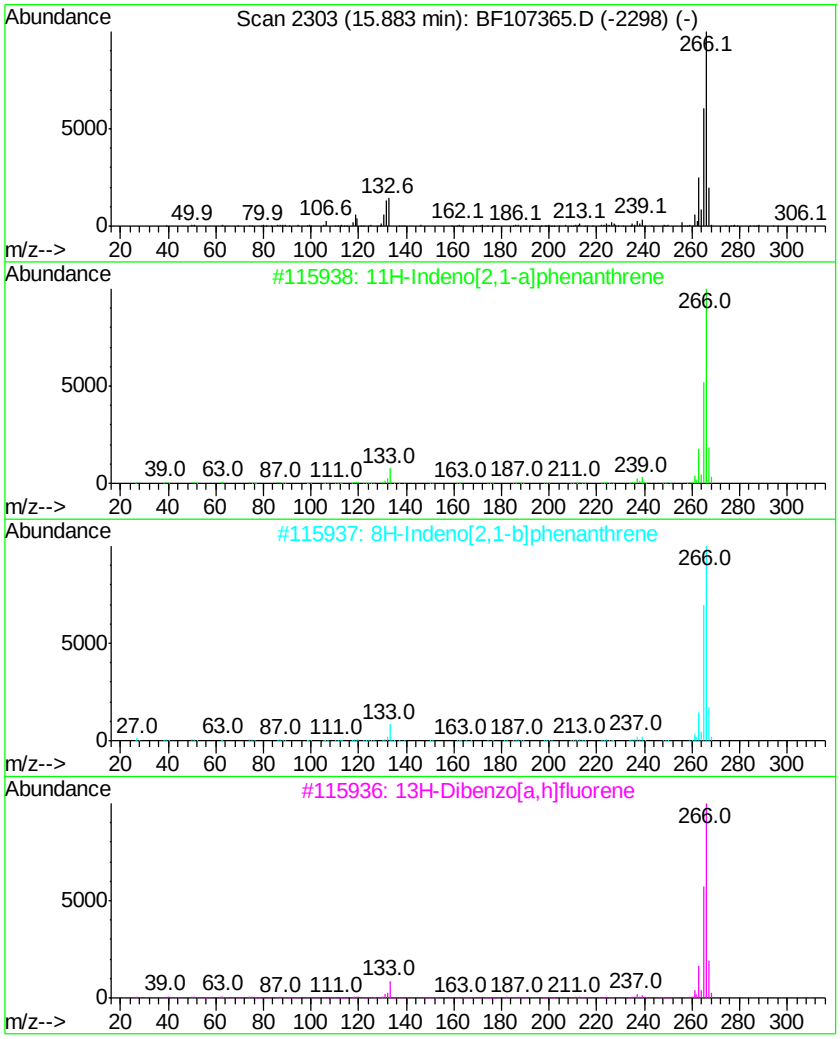
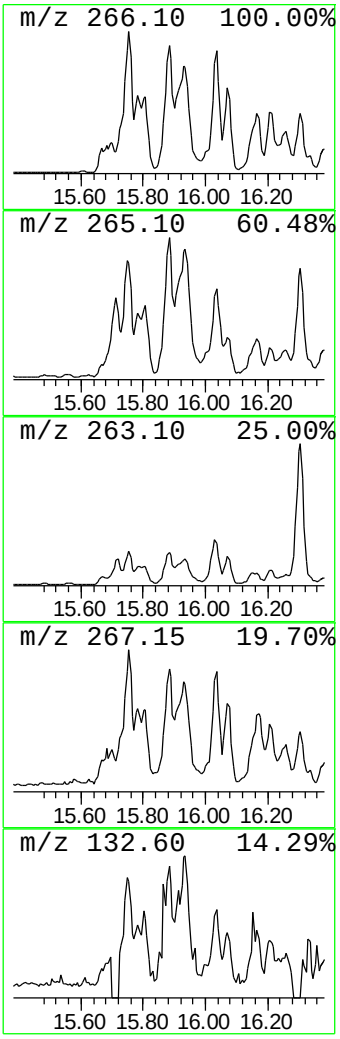
Peak Number 11 11H-Indeno[2,1-a]phenanthrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	22.02 ng	268713	Perylene-d12	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	94
2	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	87
3	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	81
4	Thiazole, 4-phenyl-2-(4-tolylami...	266	C16H14N2S	016098-04-7	72
5	Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	58





Library Search Compound Report

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Instrument :
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ClientSampleId :
2018-NYSEG-CLARK-ST-PH4-AREA

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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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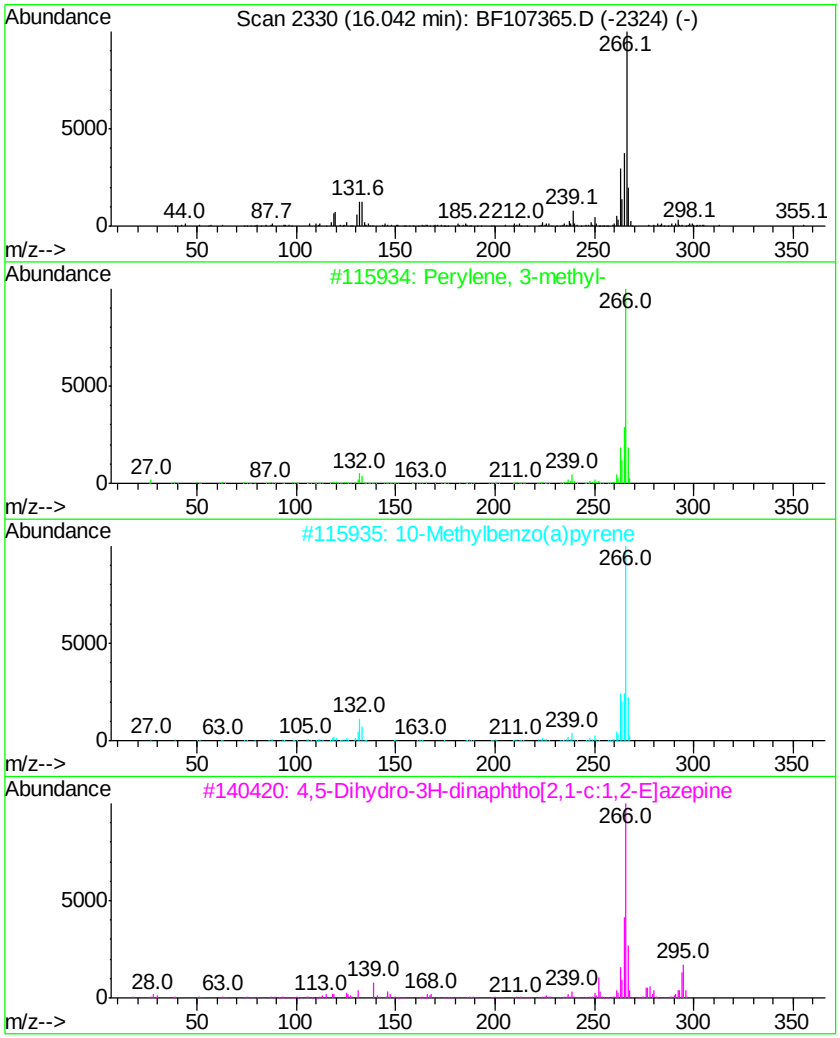
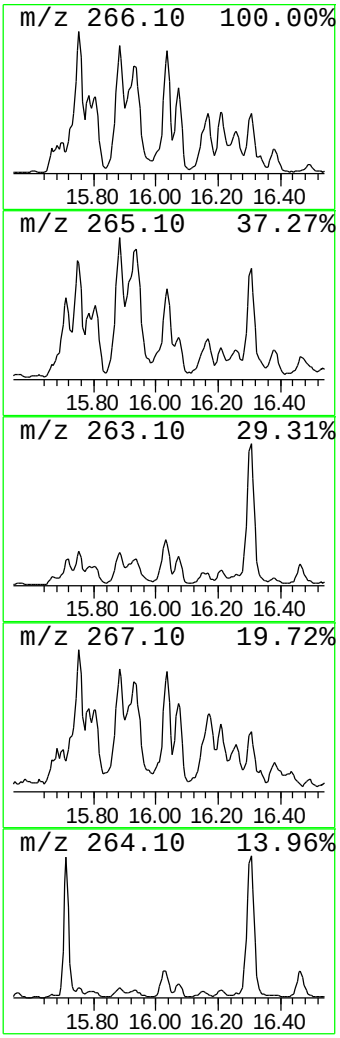
Peak Number 12 Perylene, 3-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.04	22.77 ng	277806	Perylene-d12	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene, 3-methyl-	266	C21H14	024471-47-4	94
2	10-Methylbenzo(a)pyrene	266	C21H14	063104-32-5	76
3	4,5-Dihydro-3H-dinaphtho[2,1-c:1...	295	C22H17N	1000297-99-2	59
4	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	58
5	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	58





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Sample : J3948-01 5X
Misc :
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Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-ST-PH4-AREA

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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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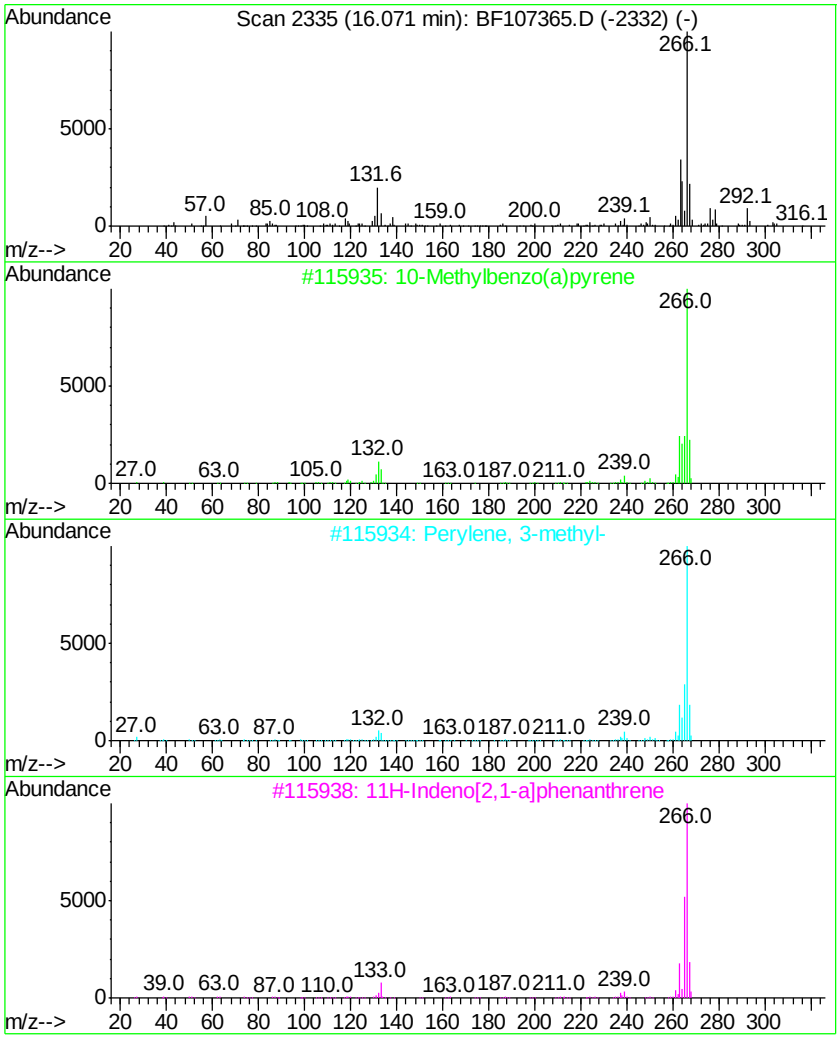
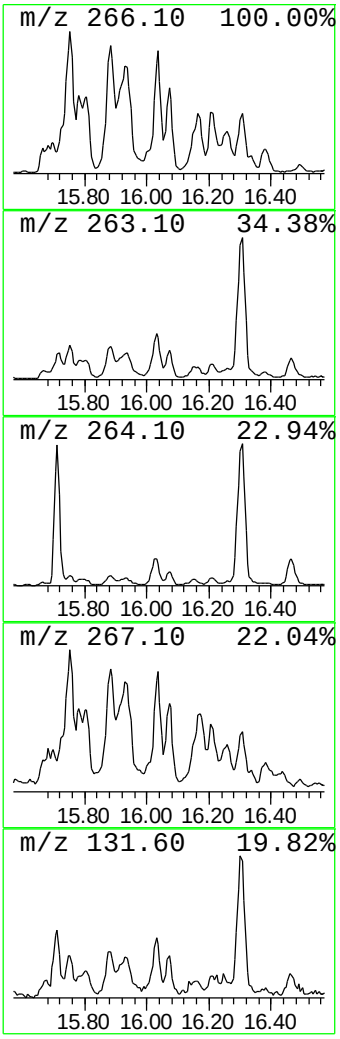
Peak Number 13 10-Methylbenzo(a)pyrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.07	26.56 ng	324038	Perylene-d12	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Methylbenzo(a)pyrene	266	C21H14	063104-32-5	55
2	Perylene, 3-methyl-	266	C21H14	024471-47-4	53
3	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	53
4	Propenone, 1-(4H-1,3-benzodioxin...	266	C17H14O3	126266-85-1	50
5	Benzo[1,2-b:4,3-b']dithiophene, ...	266	C16H10S2	016587-58-9	50





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Sample : J3948-01 5X
Misc :
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Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-ST-PH4-AREA

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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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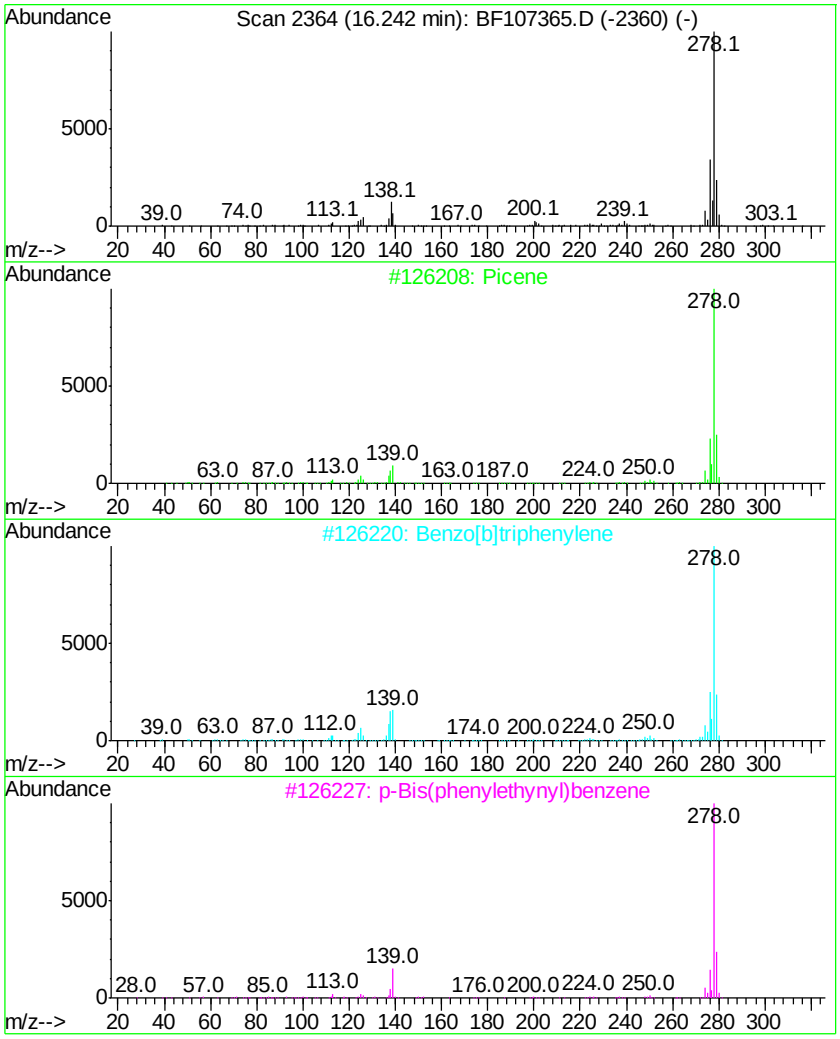
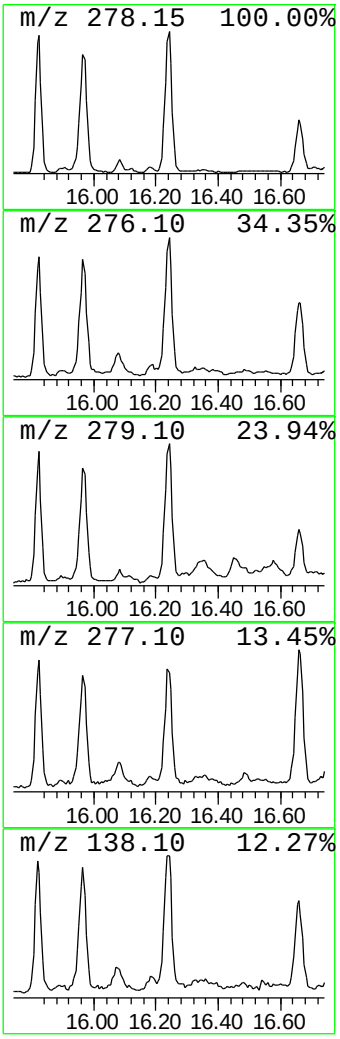
Peak Number 14 Picene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.24	31.93 ng	389611	Perylene-d12	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	97
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	90
3	p-Bis(phenylethynyl)benzene	278	C22H14	001849-27-0	90
4	Benzo[b]chrysene	278	C22H14	000214-17-5	90
5	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	90





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Misc :
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Instrument : BNA_F
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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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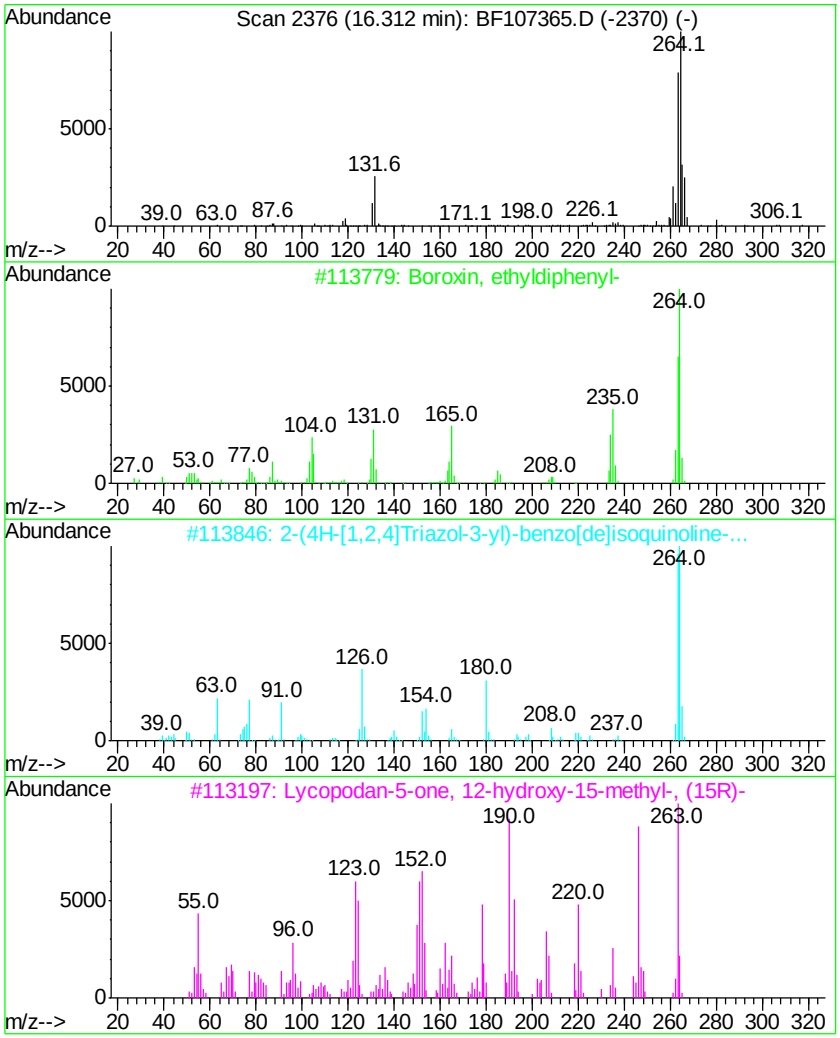
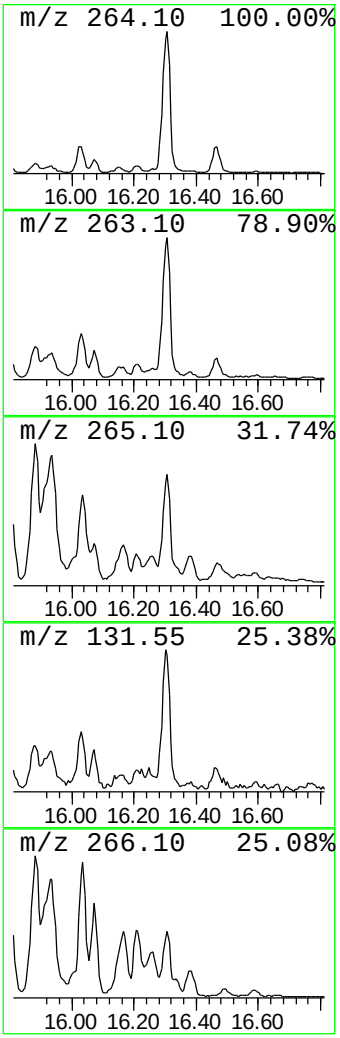
Peak Number 15 Boroxin, ethyldiphenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.31	48.58 ng	592724	Perylene-d12	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	59
2	2-(4H-[1,2,4]Triazol-3-yl)-benzo...	264	C14H8N4O2	1000318-09-6	50
3	Lycopodan-5-one, 12-hydroxy-15-m...	263	C16H25NO2	006900-92-1	25
4	1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10ClN3S	068364-67-0	25
5	Acetamide, N-(2,5-dimethoxypheny...	263	C10H11Cl2NO3	1000307-30-2	22





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Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-ST-PH4-AREA

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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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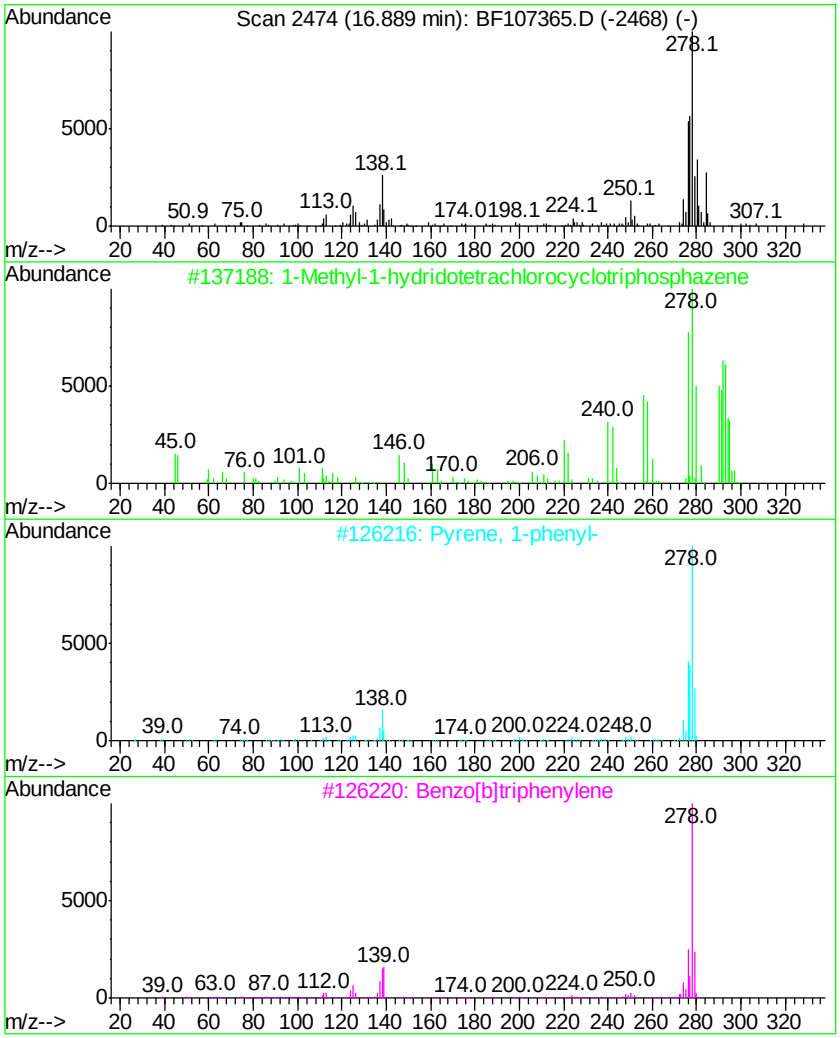
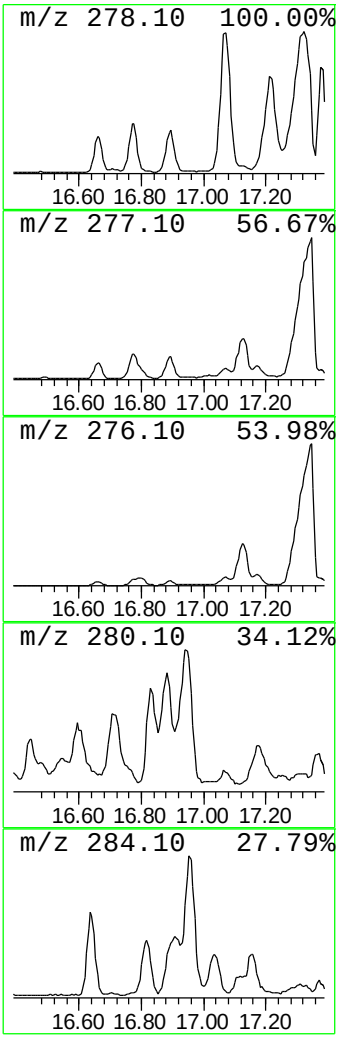
Peak Number 16 1-Methyl-1-hydridotetrachlo... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.89	28.57 ng	348600	Perylene-d12	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyl-1-hydridotetrachlorocyc...	291	CH4Cl4N3P3	068351-74-6	90
2	Pyrene, 1-phenyl-	278	C22H14	005101-27-9	87
3	Benzo[b]triphenylene	278	C22H14	000215-58-7	50
4	Benzoic acid, 3,5-dibromo-2-hydr...	308	C8H6Br2O3	021702-79-4	47
5	Pentaphene	278	C22H14	000222-93-5	46





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ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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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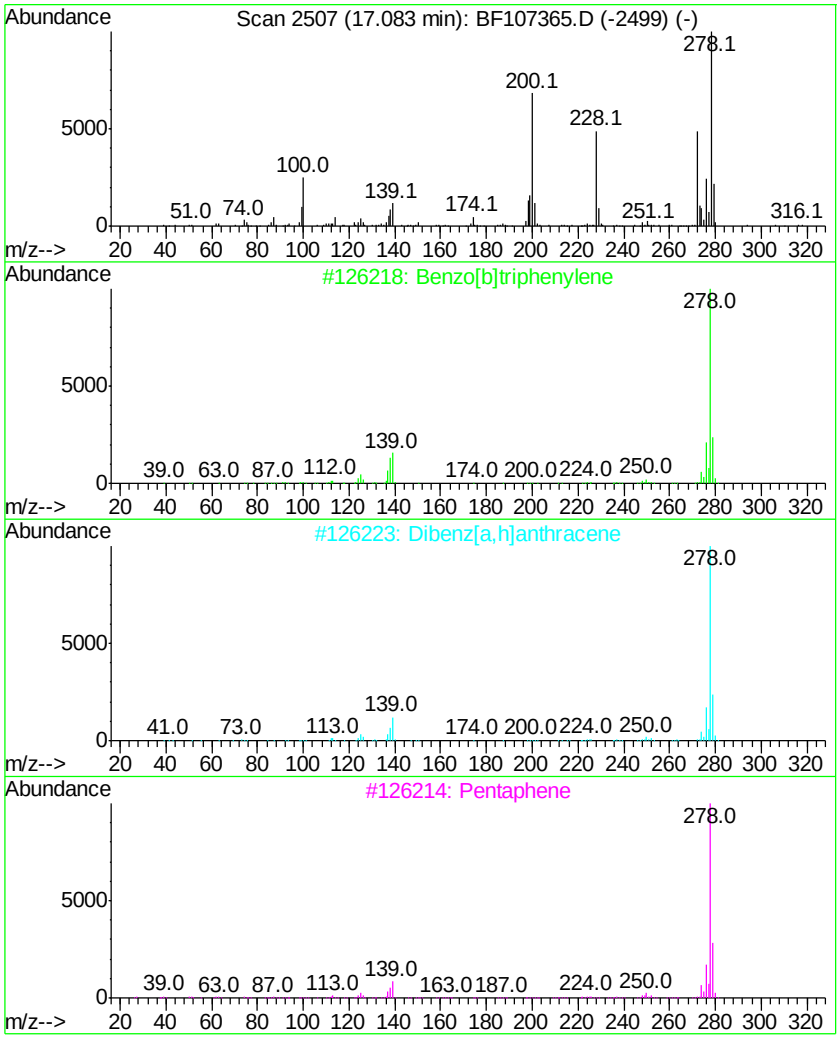
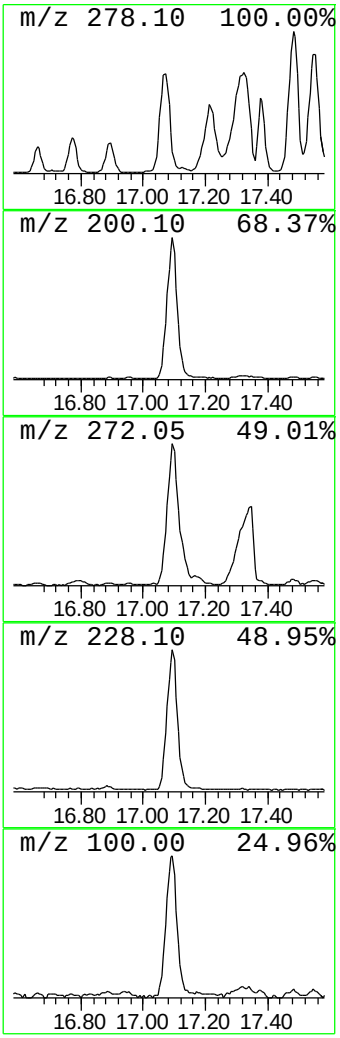
Peak Number 17 Benzo[b]triphenylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.08	76.90 ng	938238	Perylene-d12	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	89
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	86
3	Pentaphene	278	C22H14	000222-93-5	66
4	Picene	278	C22H14	000213-46-7	64
5	Benzo[b]chrysene	278	C22H14	000214-17-5	53





Tentatively Identified Compound (LSC) summary

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Operator : JU/SJ
Sample : J3948-01 5X
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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
Benzene, 1-etheny...	6.75	24.9	ng	327559	1	6.92	263130	20.0
Benzenemethanethi...	7.78	55.1	ng	879106	2	8.21	319058	20.0
o-Cymene	8.48	21.9	ng	349009	2	8.21	319058	20.0
unknown15.06	15.06	70.7	ng	862426	6	15.71	244015	20.0
Pyrene, 1-phenyl-	15.11	39.7	ng	484155	6	15.71	244015	20.0
Benzo[e]pyrene	15.37	71.3	ng	869272	6	15.71	244015	20.0
unknown15.48	15.48	26.3	ng	320852	6	15.71	244015	20.0
Pentacene	15.82	28.4	ng	346714	6	15.71	244015	20.0
11H-Indeno[2,1-a]...	15.88	22.0	ng	268713	6	15.71	244015	20.0
Perylene, 3-methyl-	16.04	22.8	ng	277806	6	15.71	244015	20.0
10-Methylbenzo(a)...	16.07	26.6	ng	324038	6	15.71	244015	20.0
Picene	16.24	31.9	ng	389611	6	15.71	244015	20.0
Boroxin, ethyldip...	16.31	48.6	ng	592724	6	15.71	244015	20.0
1-Methyl-1-hydrid...	16.89	28.6	ng	348600	6	15.71	244015	20.0
Benzo[b]triphenylene	17.08	76.9	ng	938238	6	15.71	244015	20.0