LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF043020\
Data File : BF120255.D
Acq On : 30 Apr 2020 22:29
Operator : MA/SJ
Sample : L2441-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RECOVERED-CRUSH-AGGREGAT

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-BF040820.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	5.257	536	539	555	rBV	849634	868309	5.56%	0.562%
2	6.304	714	717	729	rBV	950437	920183	5.89%	0.596%
3	6.651	772	776	779	rBV	673352	577848	3.70%	0.374%
4	6.804	798	802	806	rBV	978654	765300	4.90%	0.496%
5	7.210	868	871	878	rBV	682004	585638	3.75%	0.379%
6	7.933	991	994	997	rBV	1019661	784214	5.02%	0.508%
7	9.016	1174	1178	1181	rBV	1518290	1135798	7.27%	0.735%
8	9.551	1266	1269	1274	rVB	469895	351501	2.25%	0.228%
9	9.692	1287	1293	1296	rBV	1158806	951411	6.09%	0.616%
10	9.722	1296	1298	1302	rVB	435941	379344	2.43%	0.246%
11	10.239	1383	1386	1392	rVV	998984	863805	5.53%	0.559%
12	10.327	1399	1401	1403	rVV2	284252	239305	1.53%	0.155%
13	10.480	1422	1427	1431	rVV	884947	831383	5.32%	0.538%
14	10.792	1473	1480	1482	rBV	383503	550060	3.52%	0.356%
15	10.816	1482	1484	1488	rVV	370754	397580	2.54%	0.257%
16	10.874	1491	1494	1497	rVV2	274001	258189	1.65%	0.167%
17	10.939	1503	1505	1511	rVV2	208216	243085	1.56%	0.157%
18	11.039	1518	1522	1524	rVV2	282815	358141	2.29%	0.232%
19	11.074	1524	1528	1535	rVB	636371	752618	4.82%	0.487%
20	11.221	1542	1553	1556	rBV	8183374	12647608	80.95%	8.190%
21	11.269	1556	1561	1563	rVV	4180024	3620901	23.18%	2.345%
22	11.292	1563	1565	1568	rVV	247930	235928	1.51%	0.153%
23	11.416	1583	1586	1588	rBV	315969	260497	1.67%	0.169%
24	11.480	1593	1597	1600	rBV2	614821	629456	4.03%	0.408%
25	11.510	1600	1602	1608	rVB2	277190	320346	2.05%	0.207%
26	11.592	1613	1616	1620	rVB	199933	225197	1.44%	0.146%
27	11.686	1628	1632	1635	rBV	2443566	2663824	17.05%	1.725%
28	11.721	1635	1638	1641	rVB	3101312	2817888	18.04%	1.825%
29	11.768	1641	1646	1648	rBV	1283189	1333009	8.53%	0.863%
30	11.804	1648	1652	1654	rVV	3614354	4119128	26.36%	2.667%
31	11.827	1654	1656	1660	rVB	2000277	1547516	9.90%	1.002%
32	11.898	1665	1668	1670	rBV	248472	230870	1.48%	0.149%
33	11.963	1675	1679	1680	rBV3	255688	287028	1.84%	0.186%
34	11.980	1680	1682	1685	rVB	1895184	1629664	10.43%	1.055%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF043020\
Data File : BF120255.D
Acq On : 30 Apr 2020 22:29
Operator : MA/SJ
Sample : L2441-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RECOVERED-CRUSH-AGGREGAT

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-BF040820.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.015	1685	1688	1692	rVB4	277002	317274	2.03%	0.205%
36	12.057	1692	1695	1698	rBV	504479	416965	2.67%	0.270%
37	12.127	1702	1707	1710	rBV	848609	955226	6.11%	0.619%
38	12.163	1710	1713	1715	rBV	585596	416235	2.66%	0.270%
39	12.186	1715	1717	1720	rVB	499038	404450	2.59%	0.262%
40	12.239	1721	1726	1729	rBV	1294987	1594090	10.20%	1.032%
41	12.274	1729	1732	1738	rVB2	925612	1587297	10.16%	1.028%
42	12.333	1738	1742	1747	rBV2	675359	933478	5.97%	0.604%
43	12.421	1749	1757	1760	rBV	7881818	11487084	73.52%	7.438%
44	12.468	1760	1765	1768	rBV3	315232	533631	3.42%	0.346%
45	12.551	1776	1779	1781	rVB	487358	386947	2.48%	0.251%
46	12.657	1789	1797	1799	rVV	8641477	15624032	100.00%	10.117%
47	12.680	1799	1801	1806	rVB2	600355	797493	5.10%	0.516%
48	12.751	1806	1813	1814	rBV2	541140	675489	4.32%	0.437%
49	12.774	1814	1817	1823	rVB2	1455160	1799021	11.51%	1.165%
50	12.851	1823	1830	1833	rBV2	1261823	1954398	12.51%	1.266%
51	12.939	1841	1845	1846	rVV3	759173	961028	6.15%	0.622%
52	12.963	1846	1849	1852	rVB	2404555	2240351	14.34%	1.451%
53	13.027	1856	1860	1863	rBV	1833724	1770030	11.33%	1.146%
54	13.068	1863	1867	1869	rVV	1681416	1750303	11.20%	1.133%
55	13.157	1878	1882	1884	rBV	1264451	1114161	7.13%	0.721%
56	13.186	1884	1887	1890	rVB	1437567	1211169	7.75%	0.784%
57	13.268	1899	1901	1905	rVB3	249418	290827	1.86%	0.188%
58	13.357	1913	1916	1918	rVV2	447950	583793	3.74%	0.378%
59	13.380	1918	1920	1923	rVV	527397	643699	4.12%	0.417%
60	13.404	1923	1924	1927	rVV2	363051	240000	1.54%	0.155%
61	13.445	1927	1931	1933	rVV	366242	534591	3.42%	0.346%
62	13.468	1933	1935	1939	rVV	521623	712228	4.56%	0.461%
63	13.574	1948	1953	1955	rBV2	724308	912780	5.84%	0.591%
64	13.604	1955	1958	1960	rVV	1431007	1425678	9.12%	0.923%
65	13.627	1960	1962	1968	rVV3	968884	1226524	7.85%	0.794%
66	13.680	1968	1971	1977	rVV2	527929	694964	4.45%	0.450%
67	13.745	1979	1982	1985	rVB	183324	216702	1.39%	0.140%
68	13.821	1990	1995	2000	rBV3	6041291	11138004	71.29%	7.212%
69	13.868	2000	2003	2006	rVV	5189302	5605122	35.88%	3.630%
70	13.921	2009	2012	2013	rBV2	238397	227288	1.45%	0.147%
71	13.939	2013	2015	2018	rVV	1012952	728311	4.66%	0.472%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF043020\
Data File : BF120255.D
Acq On : 30 Apr 2020 22:29
Operator : MA/SJ
Sample : L2441-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RECOVERED-CRUSH-AGGREGAT

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-BF040820.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.145	2047	2050	2053	rBV	232161	234306	1.50%	0.152%
73	14.180	2053	2056	2058	rBV	492420	477682	3.06%	0.309%
74	14.221	2058	2063	2065	rVV	1496511	1844931	11.81%	1.195%
75	14.251	2065	2068	2071	rVV	904624	796192	5.10%	0.516%
76	14.309	2071	2078	2081	rVV3	849037	1505963	9.64%	0.975%
77	14.345	2081	2084	2085	rVV	784734	758096	4.85%	0.491%
78	14.362	2085	2087	2090	rVV	1012337	857481	5.49%	0.555%
79	14.409	2090	2095	2100	rVV3	540459	791185	5.06%	0.512%
80	14.527	2112	2115	2116	rBV	224480	229461	1.47%	0.149%
81	14.604	2124	2128	2130	rBV2	199936	301716	1.93%	0.195%
82	14.698	2140	2144	2150	rBV2	362301	556035	3.56%	0.360%
83	14.751	2150	2153	2157	rVB4	187358	226053	1.45%	0.146%
84	14.857	2164	2171	2174	rBV	3256665	6488243	41.53%	4.201%
85	14.915	2179	2181	2183	rVV	267995	267751	1.71%	0.173%
86	14.945	2183	2186	2190	rVB	911086	923399	5.91%	0.598%
87	15.133	2212	2218	2223	rVB	2249091	3485934	22.31%	2.257%
88	15.204	2223	2230	2233	rBV	3341237	4796431	30.70%	3.106%
89	15.245	2233	2237	2239	rVV	711335	845153	5.41%	0.547%
90	15.274	2239	2242	2248	rVB2	1169990	1565517	10.02%	1.014%
91	15.404	2261	2264	2267	rBV2	193915	275169	1.76%	0.178%
92	15.574	2290	2293	2299	rVB	189422	260678	1.67%	0.169%
93	15.762	2321	2325	2329	rVB2	357845	472398	3.02%	0.306%
94	16.421	2433	2437	2440	rBV	164116	251659	1.61%	0.163%
95	16.615	2461	2470	2475	rVB	1470700	3005637	19.24%	1.946%
96	16.662	2475	2478	2487	rVB	174247	303606	1.94%	0.197%
97	16.756	2489	2494	2499	rBV	336619	611702	3.92%	0.396%
98	16.815	2500	2504	2510	rVB2	202804	317880	2.03%	0.206%
99	17.027	2531	2540	2547	rVB	1095061	2580074	16.51%	1.671%
100	17.233	2568	2575	2586	rVB	416601	905922	5.80%	0.587%

Sum of corrected areas: 154429489

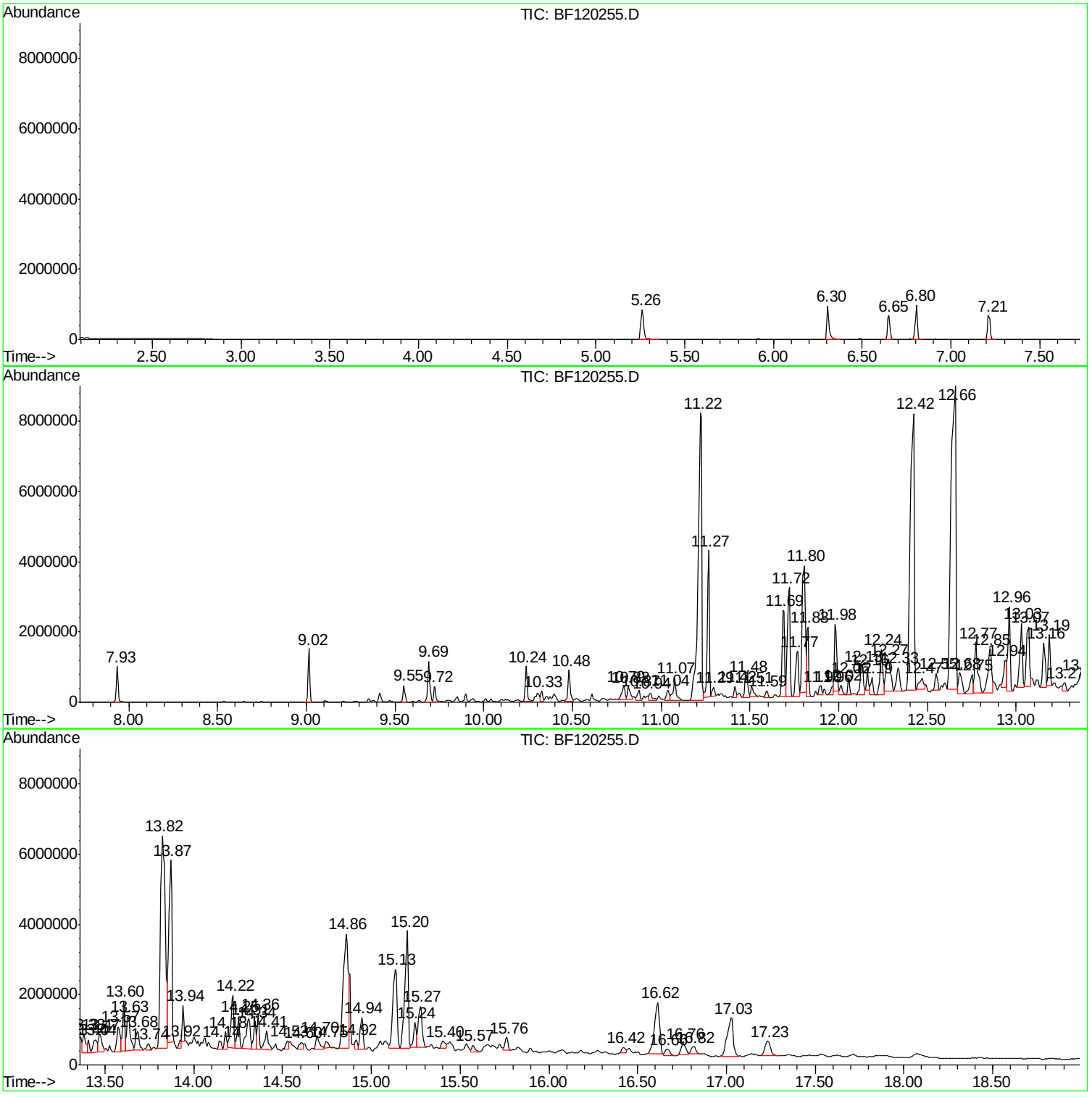
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF043020\
Data File : BF120255.D
Acq On : 30 Apr 2020 22:29
Operator : MA/SJ
Sample : L2441-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RECOVERED-CRUSH-AGGREGAT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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\BF043020\
Data File : BF120255.D
Acq On : 30 Apr 2020 22:29
Operator : MA/SJ
Sample : L2441-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RECOVERED-CRUSH-AGGREGAT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

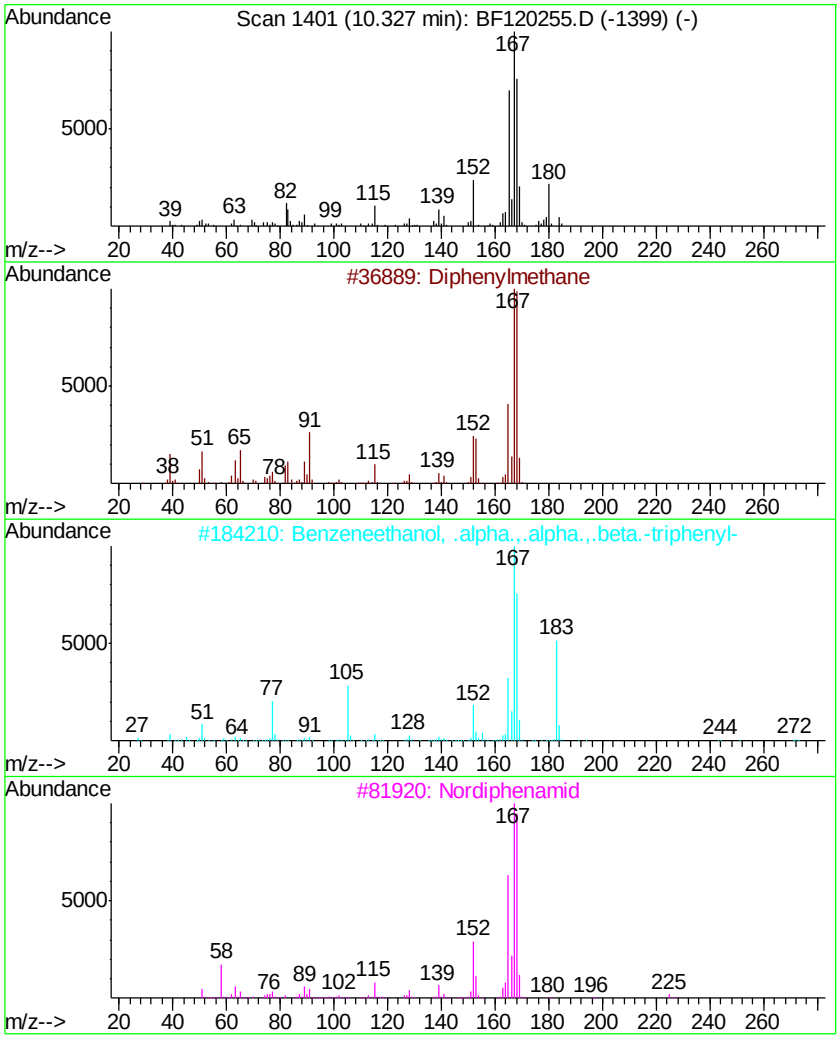
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

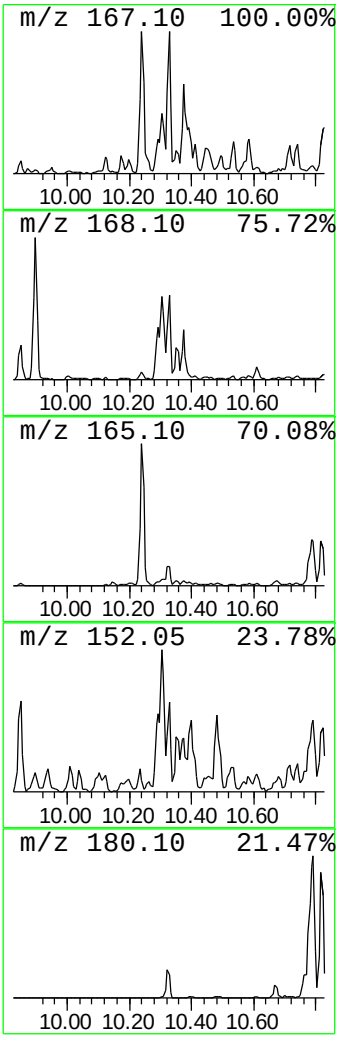
****

Peak Number 2 Diphenylmethane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.33	5.03 ng	239305	Acenaphthene-d10	9.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	86
2	Benzeneethanol, .alpha.,.alpha.,...	350	C26H22O	000981-24-8	59
3	Nordiphenamid	225	C15H15NO	000954-21-2	50
4	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	49
5	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	49





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF043020\
Data File : BF120255.D
Acq On : 30 Apr 2020 22:29
Operator : MA/SJ
Sample : L2441-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RECOVERED-CRUSH-AGGREGAT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

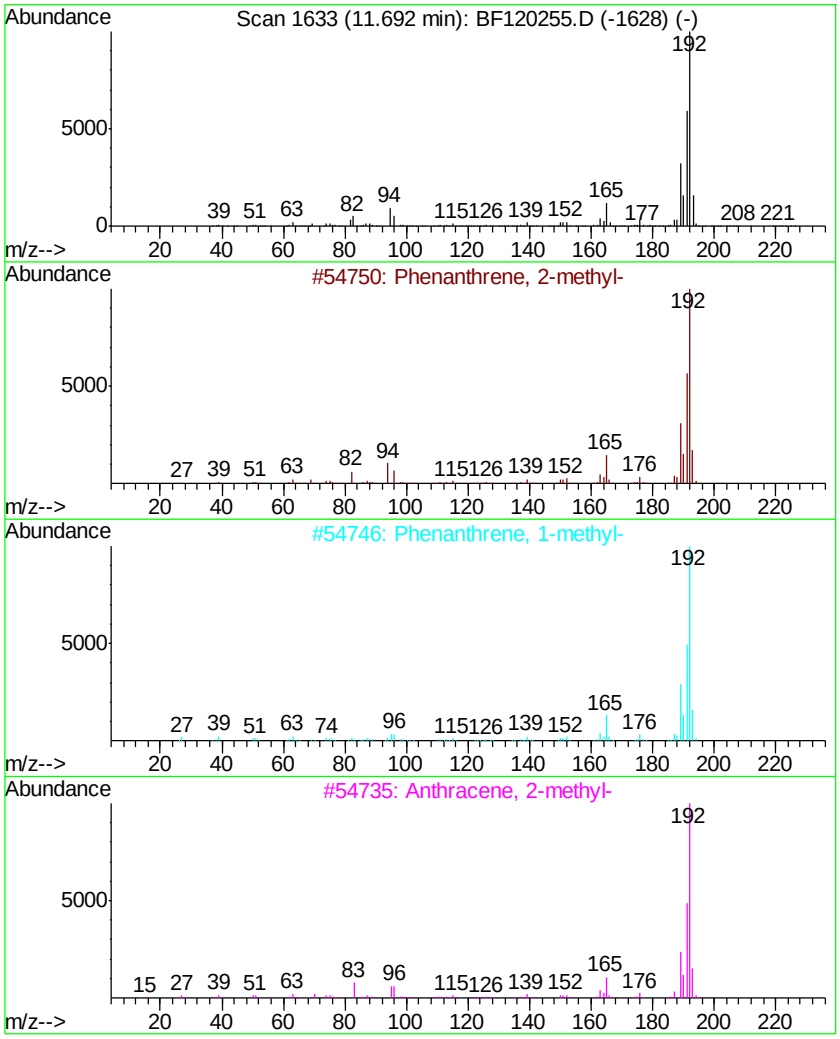
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

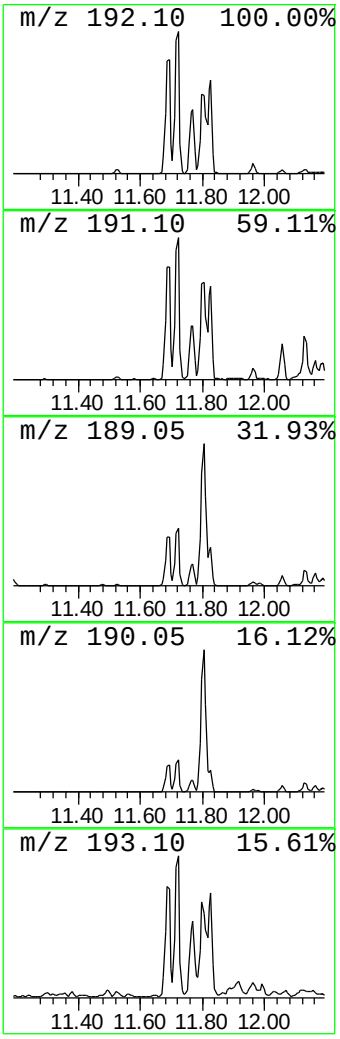
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.69	4.21 ng	2663820	Phenanthrene-d10	11.19

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	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF043020\
Data File : BF120255.D
Acq On : 30 Apr 2020 22:29
Operator : MA/SJ
Sample : L2441-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RECOVERED-CRUSH-AGGREGAT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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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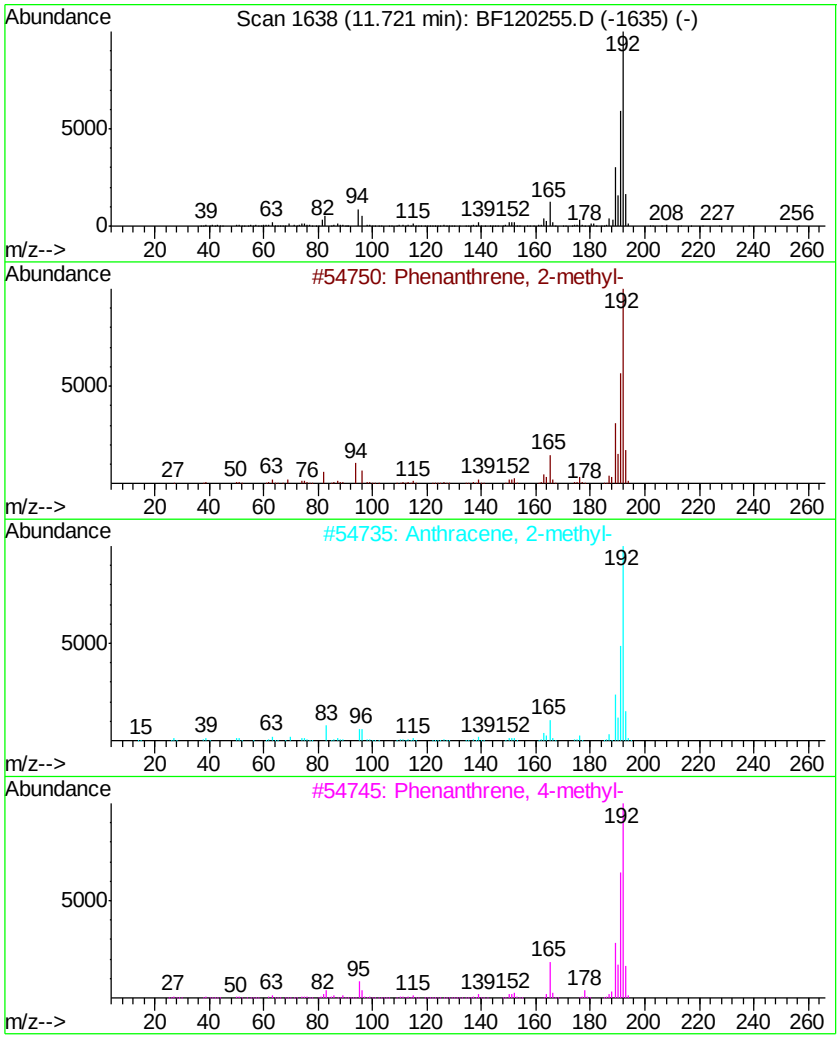
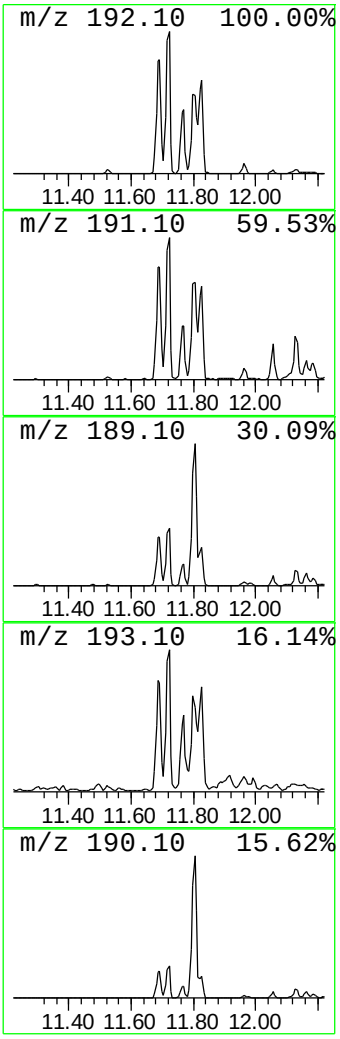
Peak Number 4 Anthracene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	4.46 ng	2817890	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF043020\
Data File : BF120255.D
Acq On : 30 Apr 2020 22:29
Operator : MA/SJ
Sample : L2441-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RECOVERED-CRUSH-AGGREGAT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

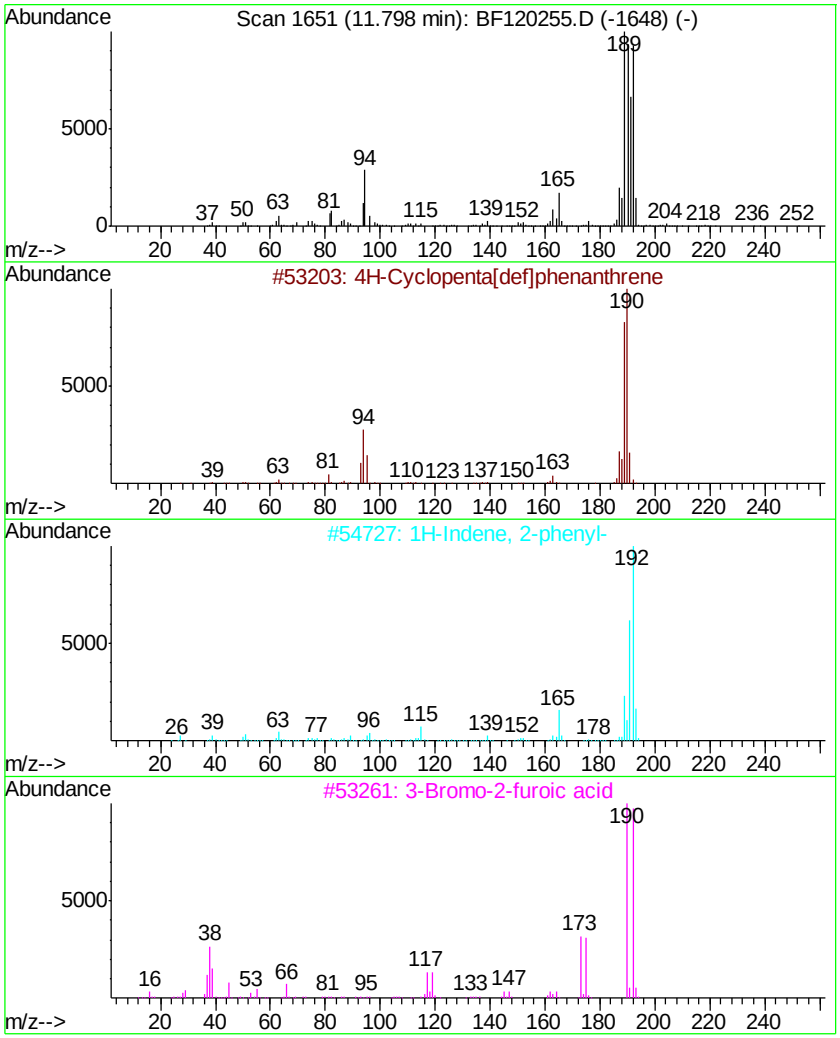
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

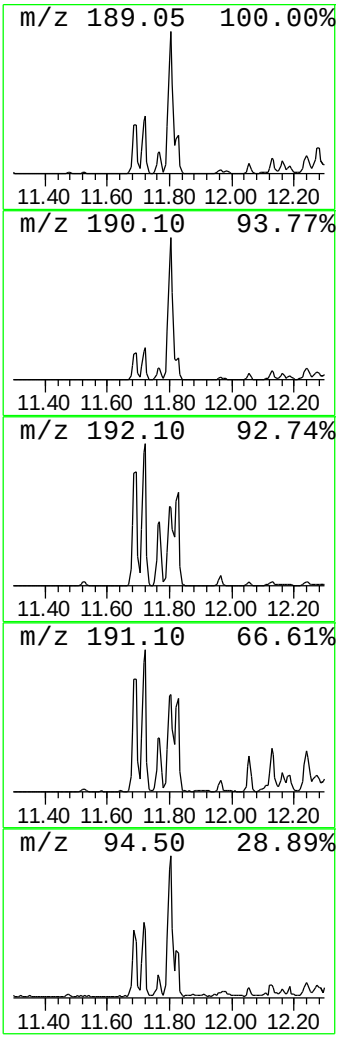
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	6.51 ng	4119130	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	30
3	3-Bromo-2-furoic acid	190	C5H3BrO3	014903-90-3	27
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	25
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	25





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF043020\
Data File : BF120255.D
Acq On : 30 Apr 2020 22:29
Operator : MA/SJ
Sample : L2441-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RECOVERED-CRUSH-AGGREGAT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

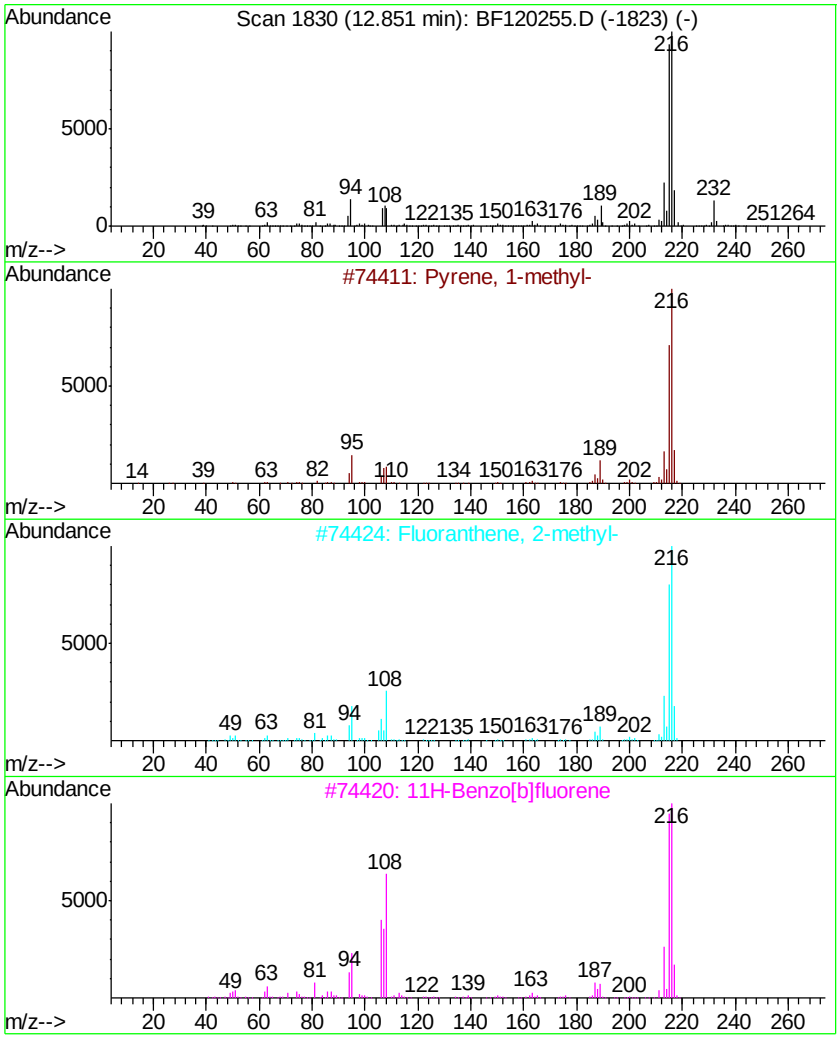
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

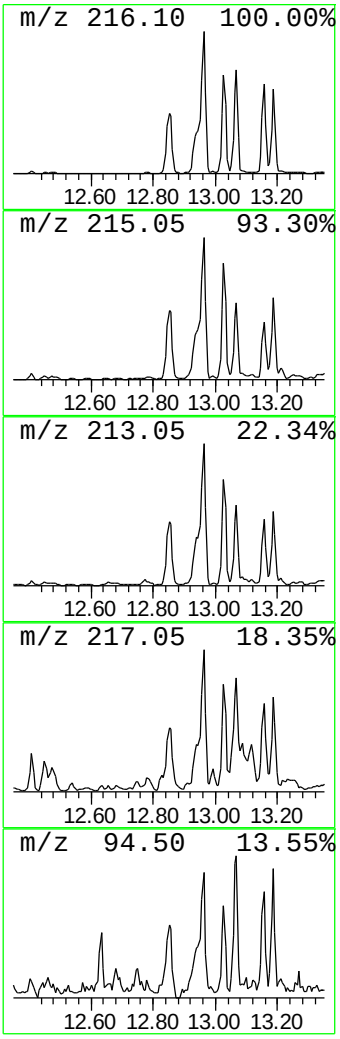
****

Peak Number 6 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.85	3.51 ng	1954400	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





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Data File : BF120255.D
Acq On : 30 Apr 2020 22:29
Operator : MA/SJ
Sample : L2441-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RECOVERED-CRUSH-AGGREGAT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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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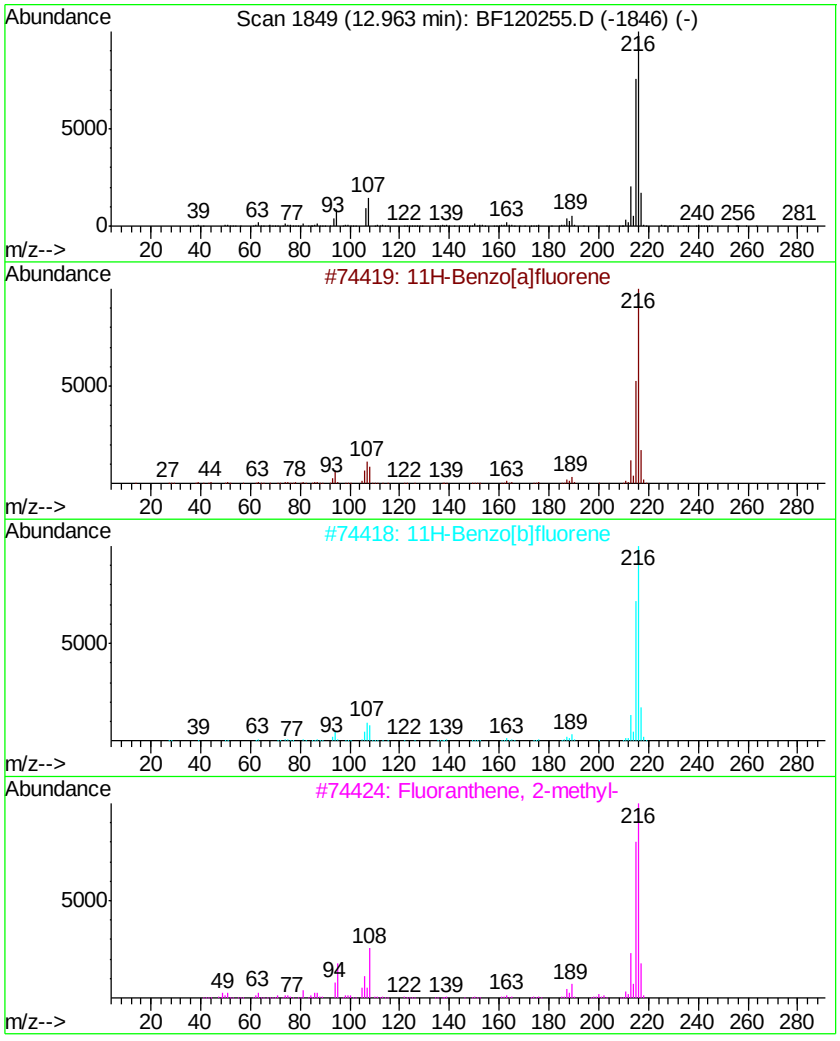
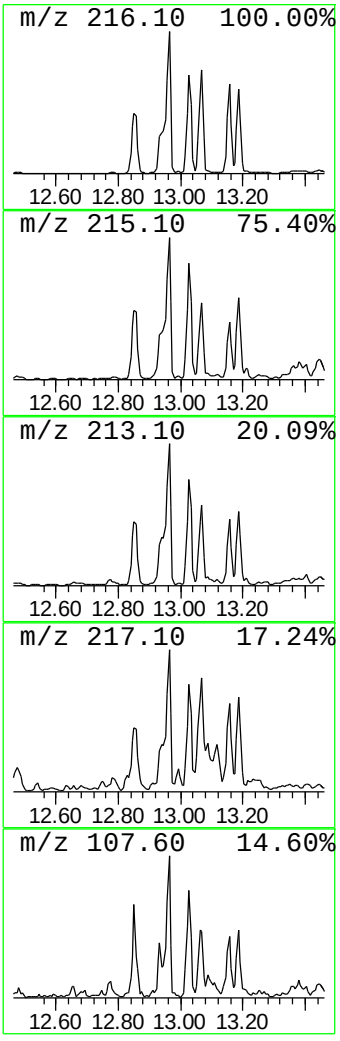
Peak Number 7 11H-Benzo[a]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	4.02 ng	2240350	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	97
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





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Operator : MA/SJ
Sample : L2441-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RECOVERED-CRUSH-AGGREGAT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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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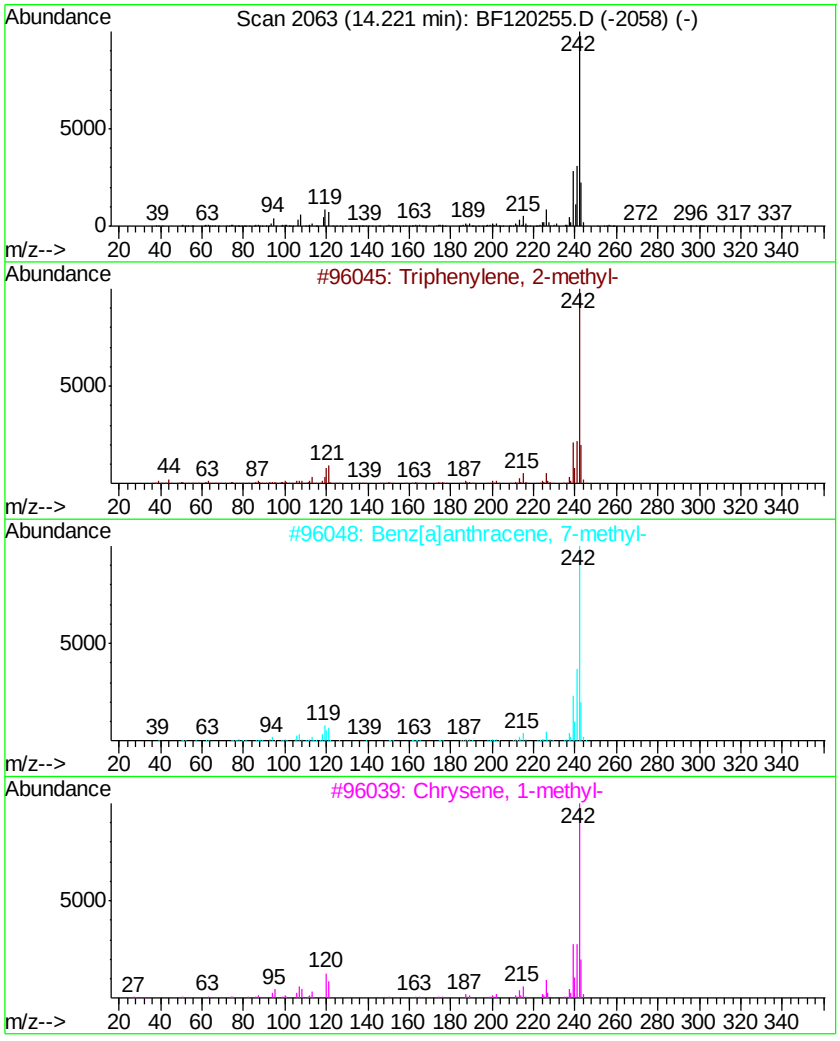
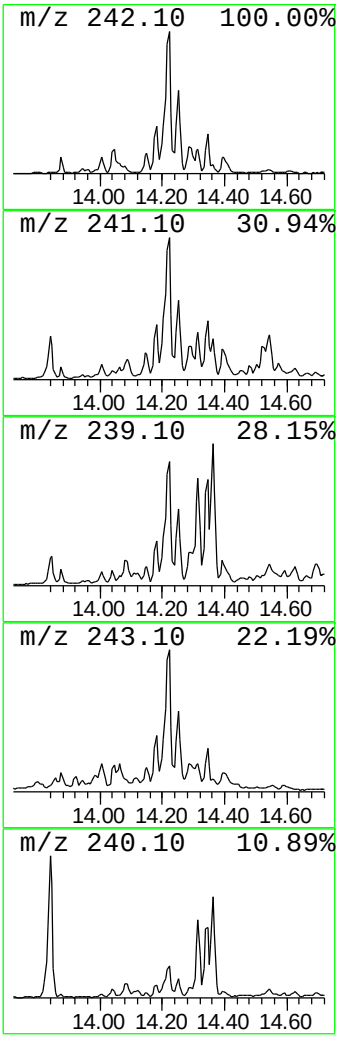
Peak Number 8 Triphenylene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.22	3.31 ng	1844930	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	96
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	95
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	95
4	1H-Benz[f]indene, 2-phenyl-	242	C19H14	1000305-22-4	94
5	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	93





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Operator : MA/SJ
Sample : L2441-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RECOVERED-CRUSH-AGGREGAT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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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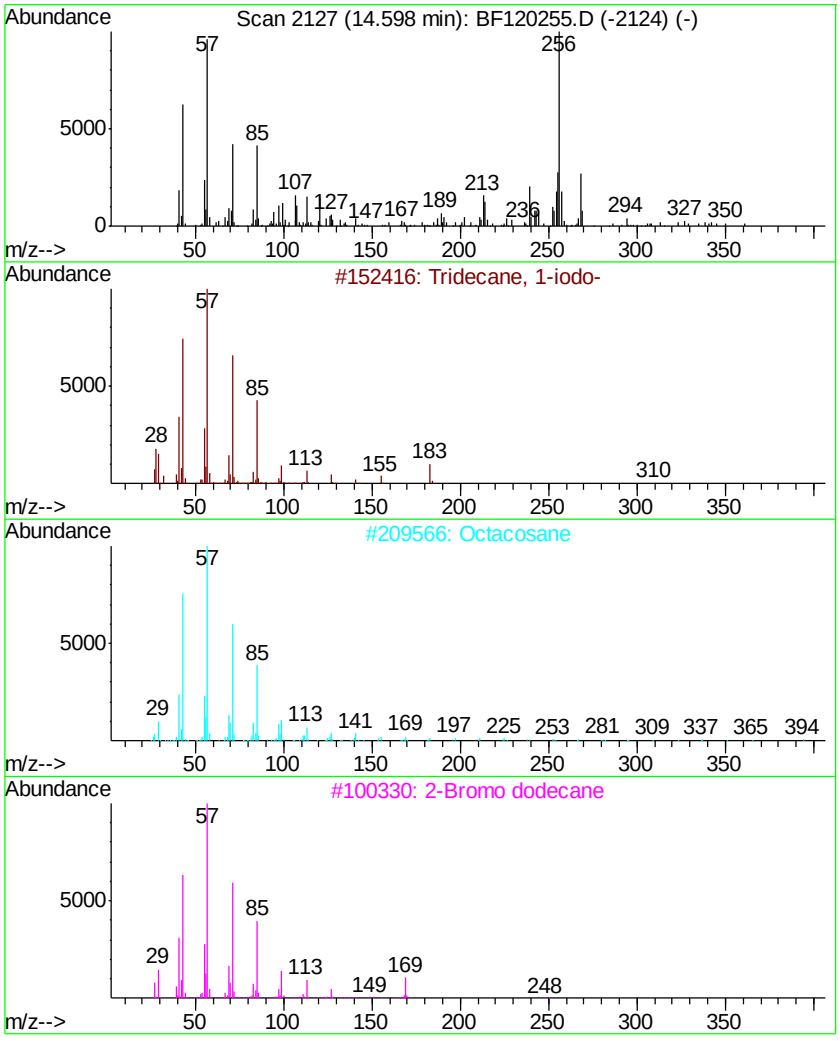
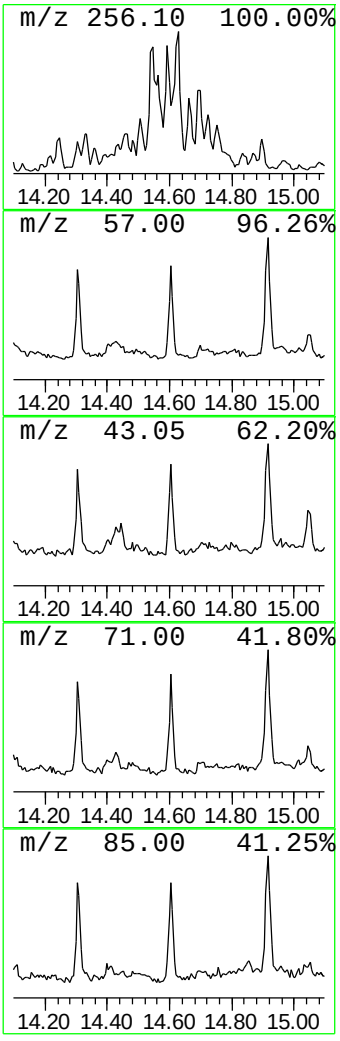
Peak Number 9 unknown14.60 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.60	7.14 ng	301716	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	38
2	Octacosane	394	C28H58	000630-02-4	38
3	2-Bromo dodecane	248	C12H25Br	013187-99-0	38
4	Pentacosane	352	C25H52	000629-99-2	38
5	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	35





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Acq On : 30 Apr 2020 22:29
Operator : MA/SJ
Sample : L2441-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RECOVERED-CRUSH-AGGREGAT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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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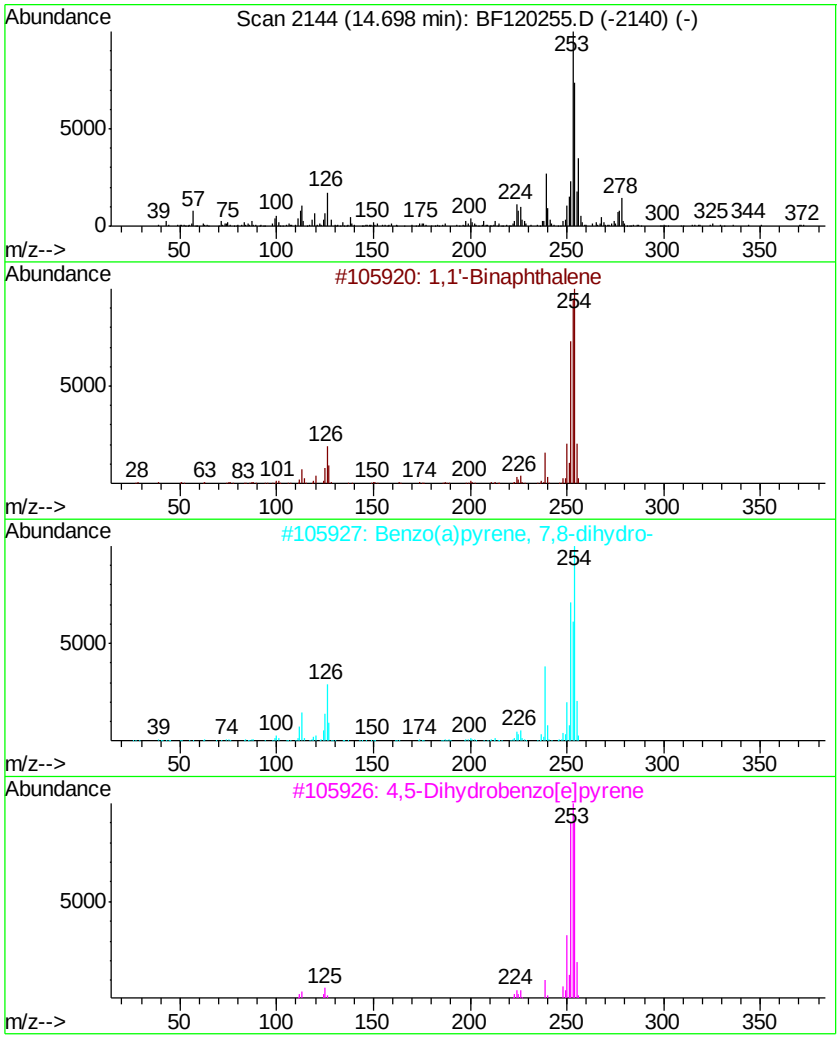
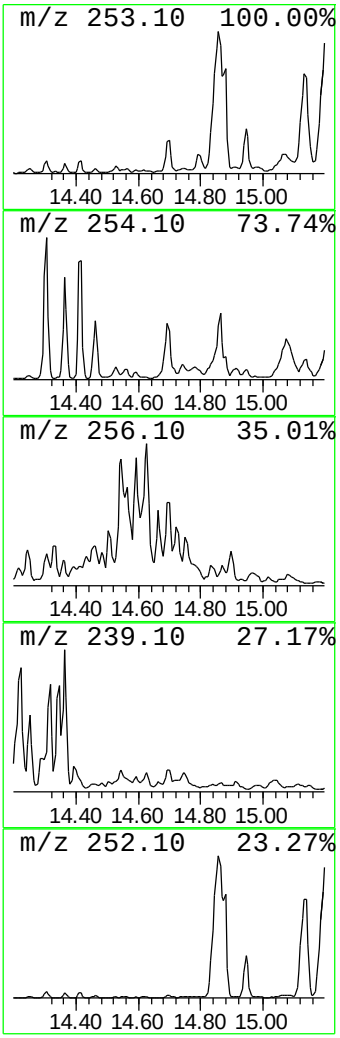
Peak Number 10 1,1'-Binaphthalene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.70	13.16 ng	556035	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Binaphthalene	254	C20H14	000604-53-5	97
2	Benzo(a)pyrene, 7,8-dihydro-	254	C20H14	017573-23-8	87
3	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	64
4	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	62
5	1H-Indene, 1,1'-(1,2-ethanediyli...	254	C20H14	072088-04-1	60





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Acq On : 30 Apr 2020 22:29
Operator : MA/SJ
Sample : L2441-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RECOVERED-CRUSH-AGGREGAT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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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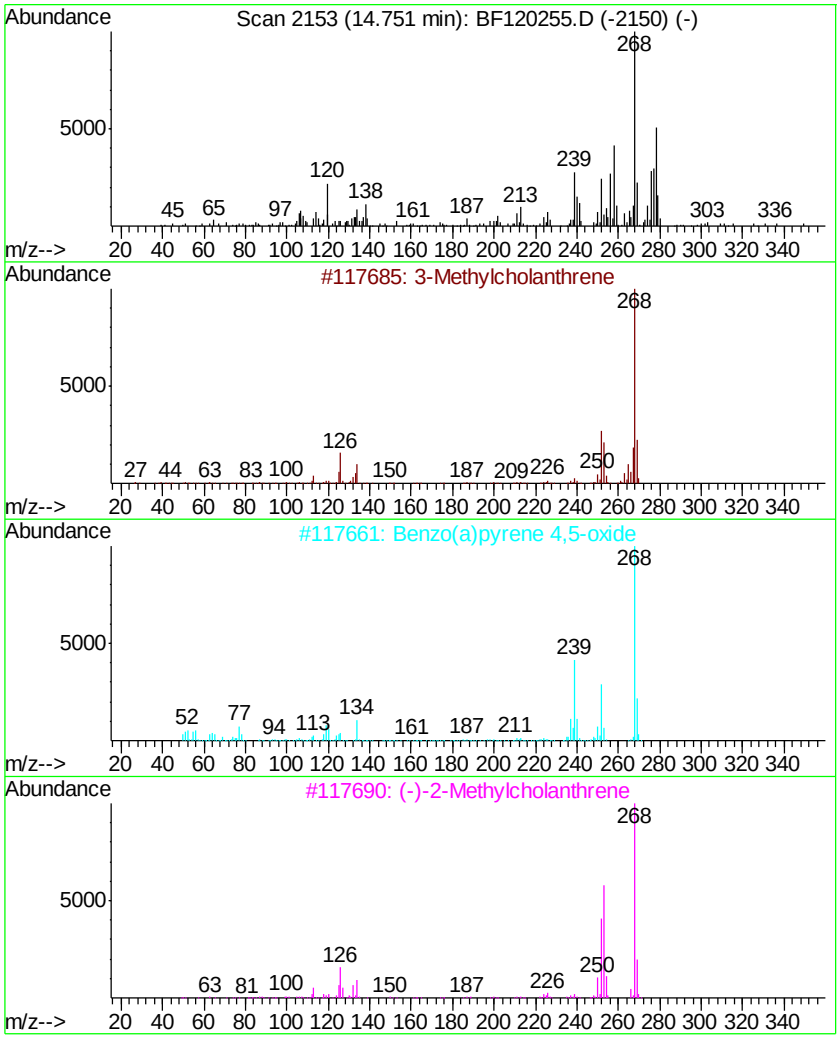
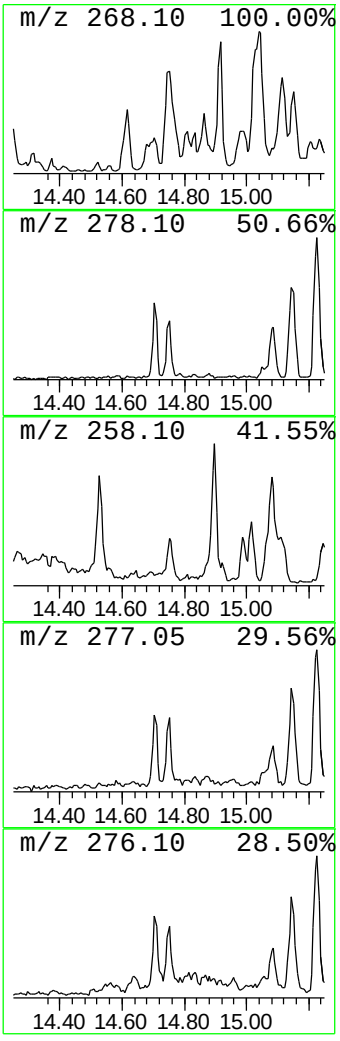
Peak Number 11 3-Methylcholanthrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.75	5.35 ng	226053	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methylcholanthrene	268	C21H16	000056-49-5	55
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	42
3	(-)-2-Methylcholanthrene	268	C21H16	1000126-56-2	30
4	Naphthalene, 1-(2-naphthalenylme...	268	C21H16	000611-48-3	27
5	Naphthalene, 1,1'-methylenebis-	268	C21H16	000607-50-1	27





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Acq On : 30 Apr 2020 22:29
Operator : MA/SJ
Sample : L2441-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RECOVERED-CRUSH-AGGREGAT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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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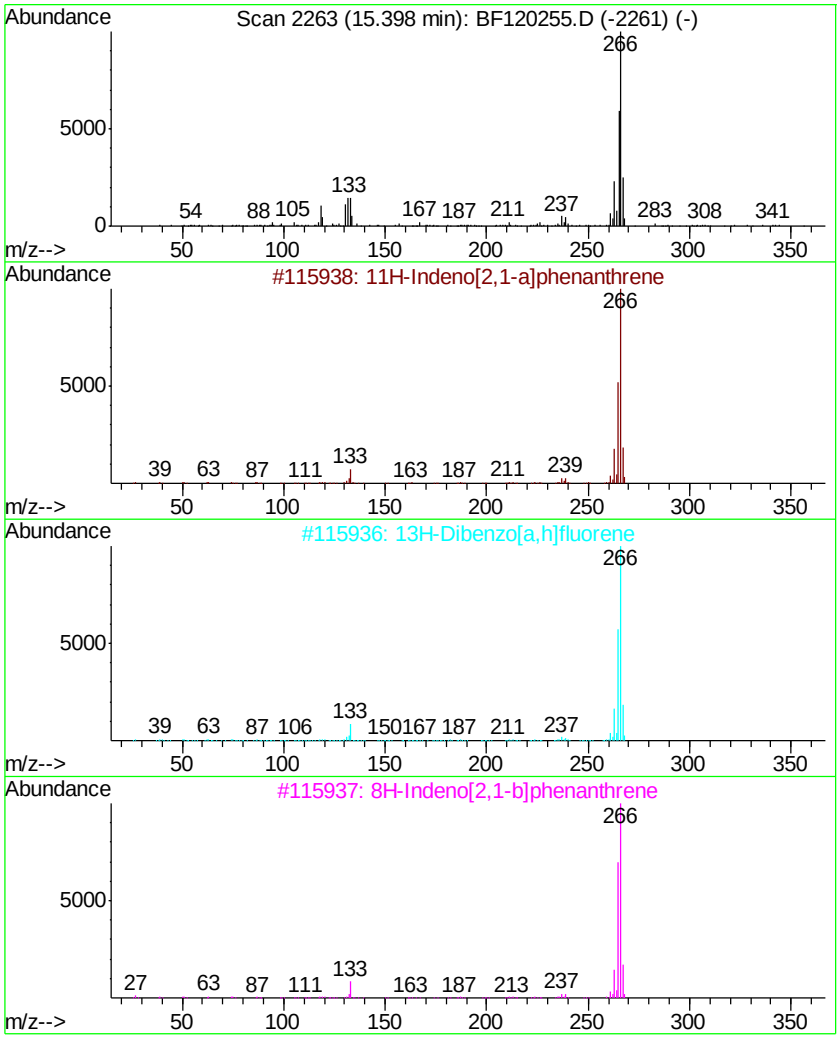
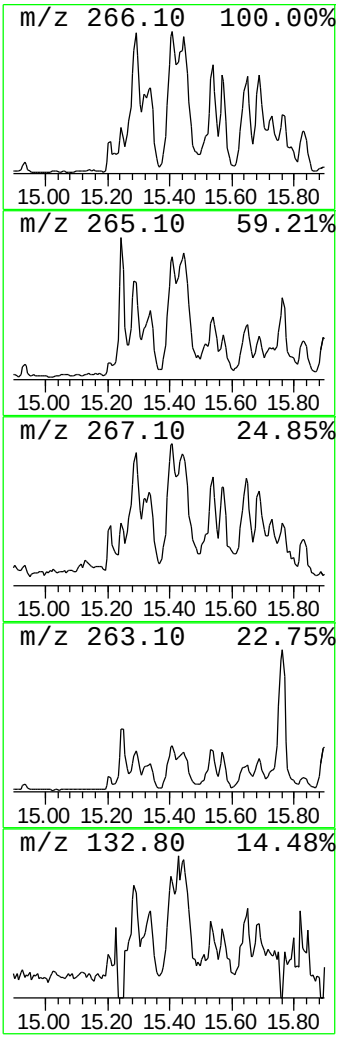
Peak Number 14 11H-Indeno[2,1-a]phenanthrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.40	6.51 ng	275169	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	96
2	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	94
3	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	87
4	Thiazole, 4-phenyl-2-(4-tolylami...	266	C16H14N2S	016098-04-7	81
5	Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	70





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Acq On : 30 Apr 2020 22:29
Operator : MA/SJ
Sample : L2441-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RECOVERED-CRUSH-AGGREGAT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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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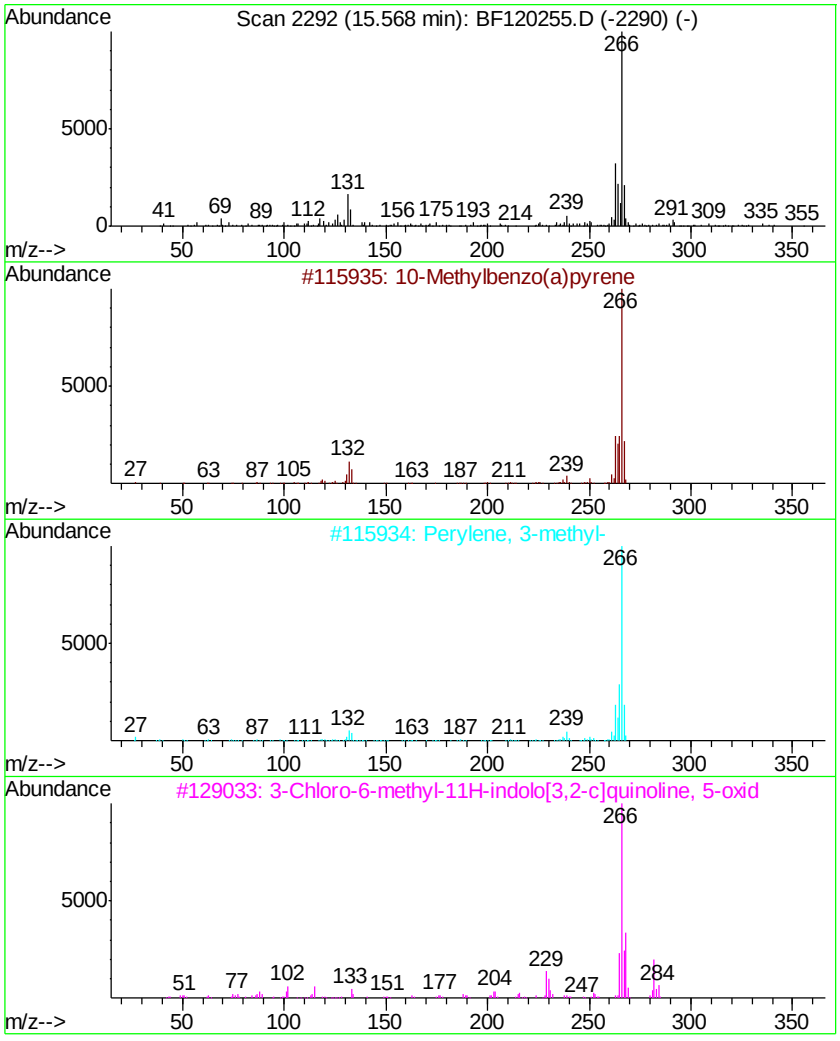
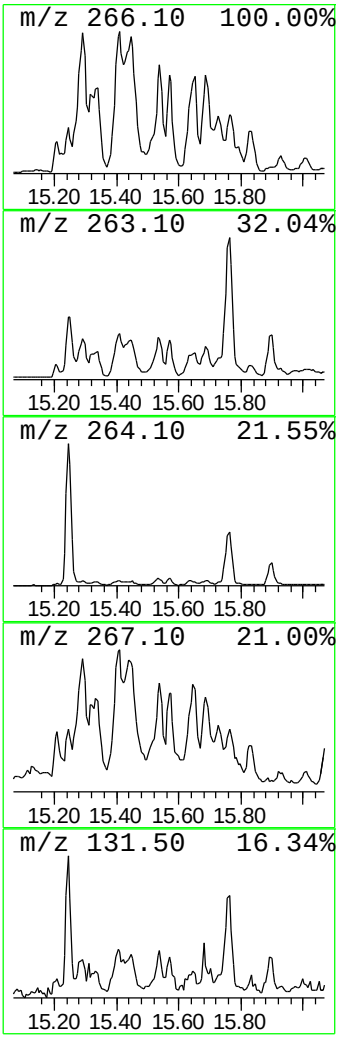
Peak Number 15 10-Methylbenzo(a)pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	6.17 ng	260678	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Methylbenzo(a)pyrene	266	C21H14	063104-32-5	64
2	Perylene, 3-methyl-	266	C21H14	024471-47-4	52
3	3-Chloro-6-methyl-11H-indolo[3,2...	282	C16H11ClN2O	1000212-76-7	50
4	2,4,8,10-Tetramethylbenzo[1,2-b:...	266	C16H18N4	017377-04-7	50
5	Benzo[1,2-b:4,3-b']dithiophene, ...	266	C16H10S2	016587-58-9	50





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Sample : L2441-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RECOVERED-CRUSH-AGGREGAT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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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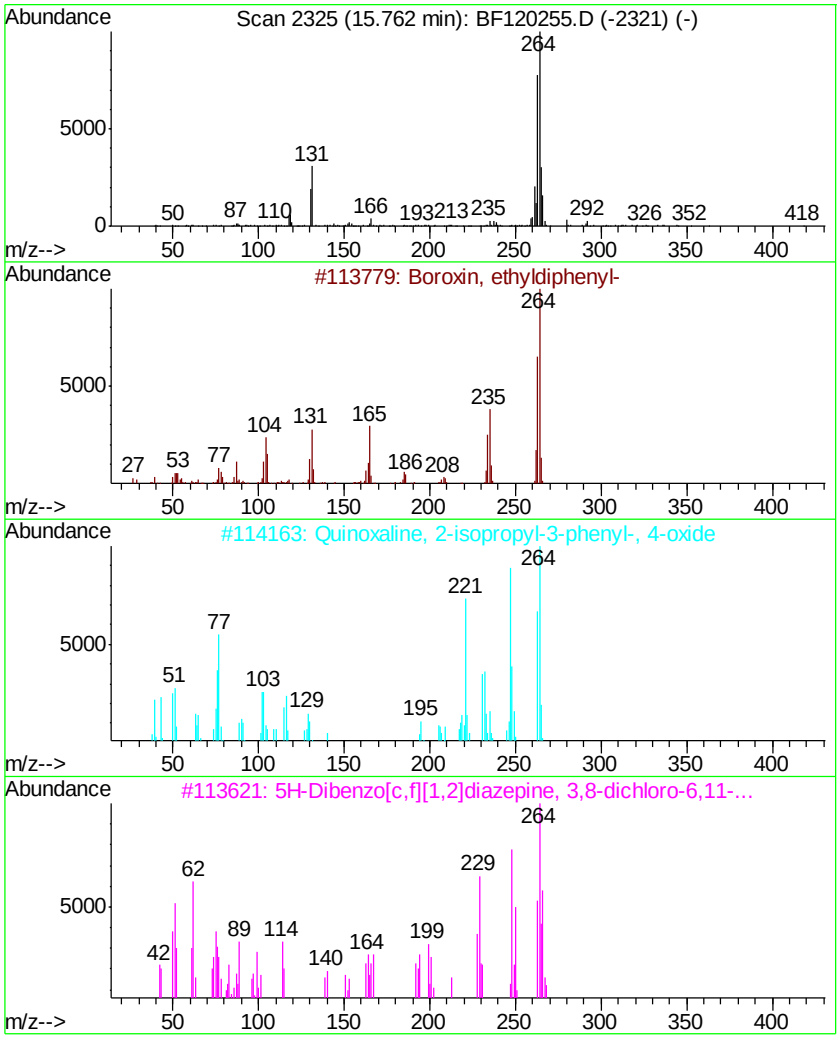
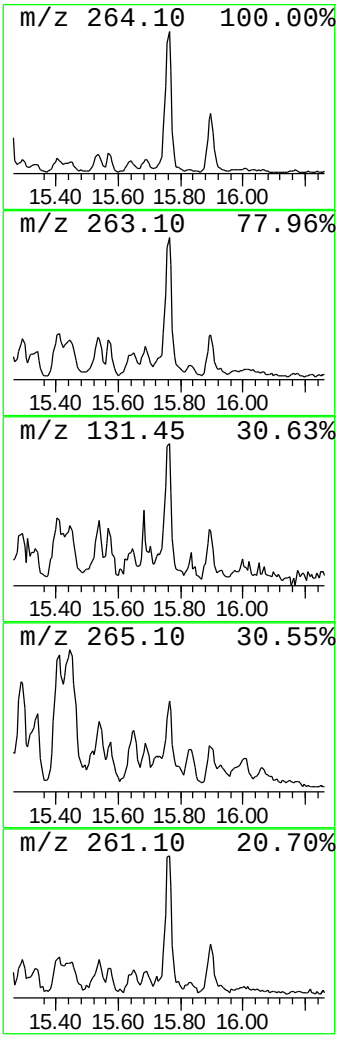
Peak Number 16 Boroxin, ethyldiphenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.76	11.18 ng	472398	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	59
2	Quinoxaline, 2-isopropyl-3-phenyl...	264	C17H16N2O	016007-79-7	50
3	5H-Dibenzo[c,f][1,2]diazepine, 3...	264	C13H10Cl2N2	000955-66-8	38
4	1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10ClN3S	068364-67-0	35
5	Iron, (.eta.-5-cyclopentadienyl)...	264	C16H16Fe	1000155-06-6	32





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF043020\
Data File : BF120255.D
Acq On : 30 Apr 2020 22:29
Operator : MA/SJ
Sample : L2441-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RECOVERED-CRUSH-AGGREGAT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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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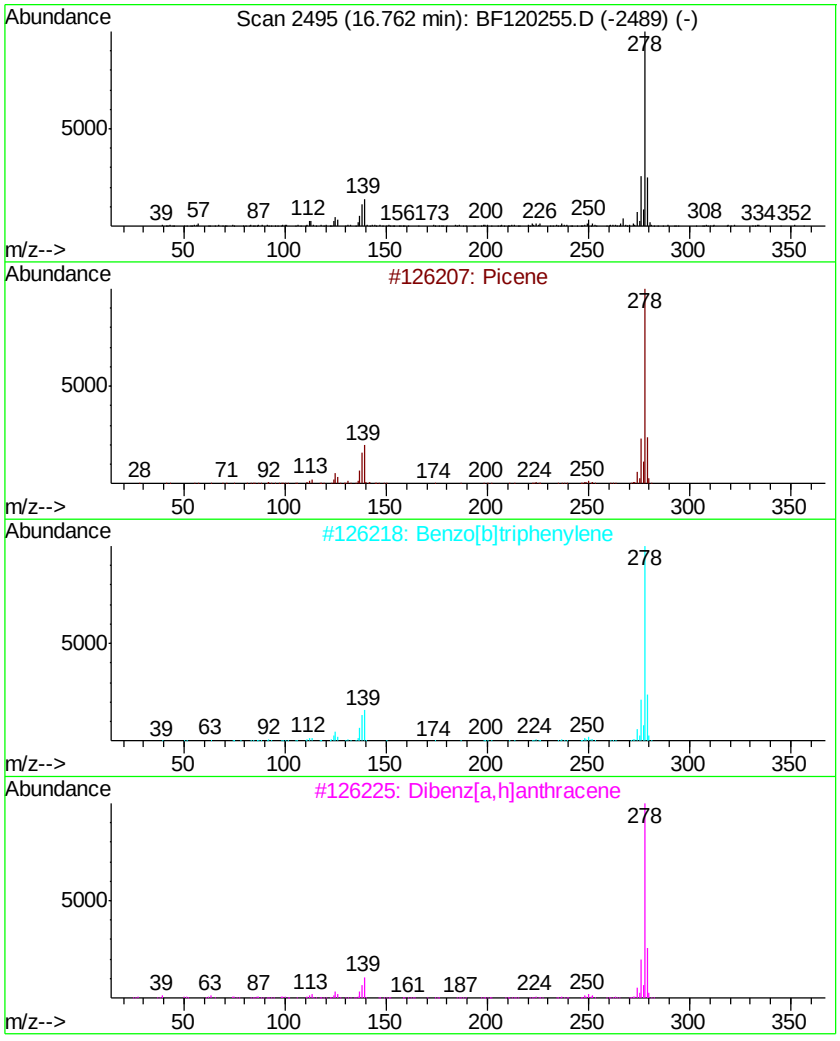
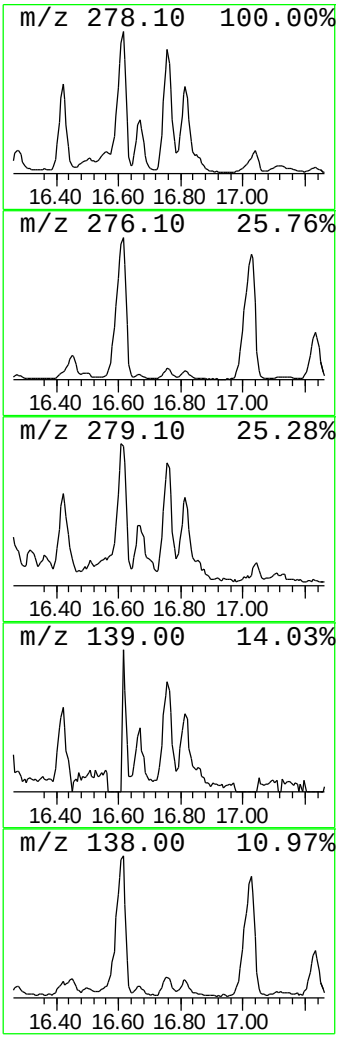
Peak Number 18 Picene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.76	14.48 ng	611702	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	98
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	97
4	Pentaphene	278	C22H14	000222-93-5	94
5	Benzo[b]chrysene	278	C22H14	000214-17-5	93





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Sample : L2441-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RECOVERED-CRUSH-AGGREGAT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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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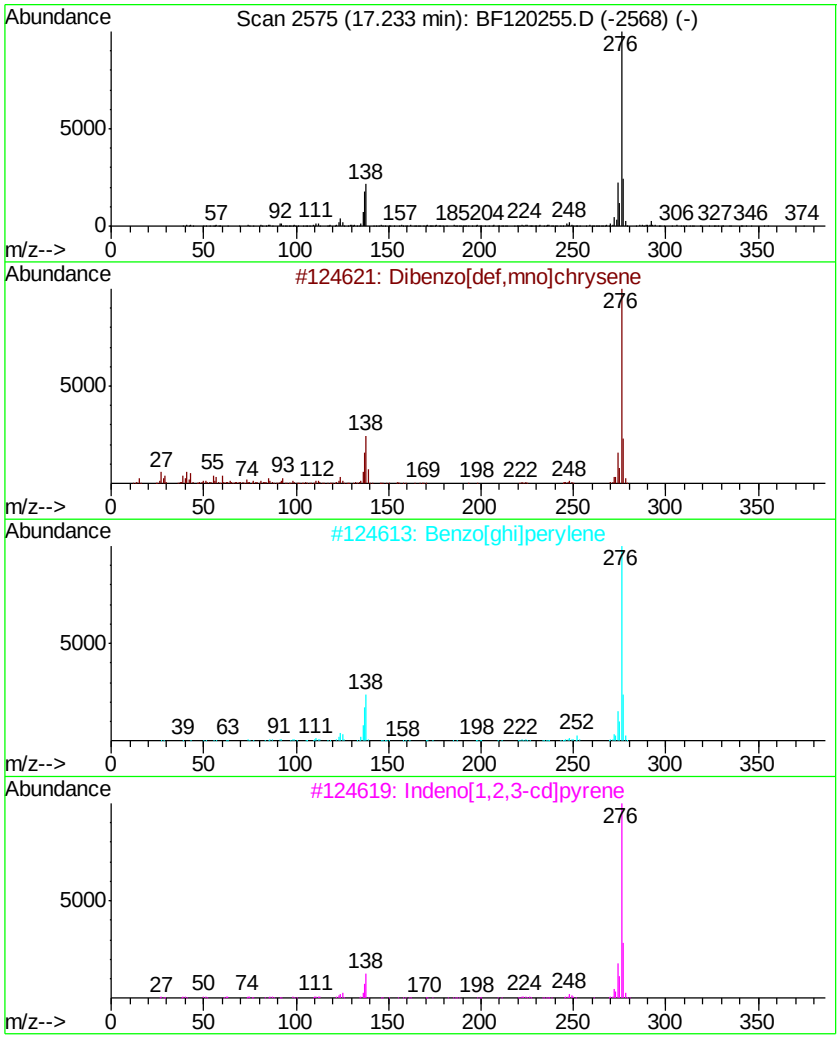
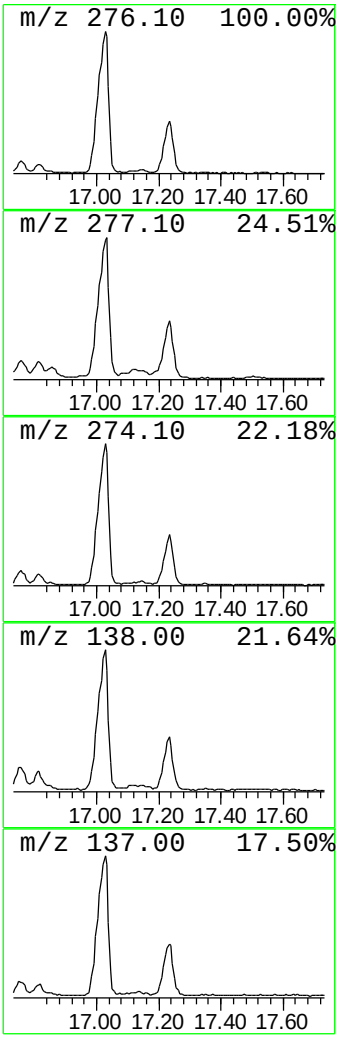
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.23	21.44 ng	905922	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	98
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	74
5	Phenol, 2-(4-chlorophenyliminome...	276	C13H9ClN2O3	1000262-90-3	59





Tentatively Identified Compound (LSC) summary

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Data File : BF120255.D
Acq On : 30 Apr 2020 22:29
Operator : MA/SJ
Sample : L2441-01 2X
Misc :
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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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
Diphenylmethane	10.33	5.0	ng	239305	3	9.69	951411	20.0
Phenanthrene, 2-m...	11.69	4.2	ng	2663820	4	11.19	12647600	20.0
Anthracene, 2-met...	11.72	4.5	ng	2817890	4	11.19	12647600	20.0
4H-Cyclopenta[def...	11.80	6.5	ng	4119130	4	11.19	12647600	20.0
Pyrene, 1-methyl-	12.85	3.5	ng	1954400	5	13.84	11138000	20.0
11H-Benzo[a]fluorene	12.96	4.0	ng	2240350	5	13.84	11138000	20.0
Triphenylene, 2-m...	14.22	3.3	ng	1844930	5	13.84	11138000	20.0
unknown14.60	14.60	7.1	ng	301716	6	15.24	845153	20.0
1,1'-Binaphthalene	14.70	13.2	ng	556035	6	15.24	845153	20.0
3-Methylcholanthrene	14.75	5.3	ng	226053	6	15.24	845153	20.0
11H-Indeno[2,1-a]...	15.40	6.5	ng	275169	6	15.24	845153	20.0
10-Methylbenzo(a)...	15.57	6.2	ng	260678	6	15.24	845153	20.0
Boroxin, ethyldip...	15.76	11.2	ng	472398	6	15.24	845153	20.0
Picene	16.76	14.5	ng	611702	6	15.24	845153	20.0
Dibenzo[def,mno]c...	17.23	21.4	ng	905922	6	15.24	845153	20.0