LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060119\
Data File : BF114758.D
Acq On : 1 Jun 2019 15:45
Operator : HP/JU
Sample : K3105-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : APPLE-TRACK

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-BF052919.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	5.304	541	547	550	rBV	6493595	6682446	55.37%	3.340%
2	6.328	715	721	724	rBV	5907530	6881850	57.03%	3.439%
3	6.463	739	744	747	rBV	7374835	7201096	59.67%	3.599%
4	6.692	780	783	787	rBV	2650029	2194409	18.18%	1.097%
5	6.851	806	810	813	rVB	6168803	5221968	43.27%	2.610%
6	7.251	873	878	881	rBV	4497656	4399043	36.45%	2.198%
7	7.975	997	1001	1003	rBV	3360346	2855301	23.66%	1.427%
8	9.045	1179	1183	1187	rBV	6577374	6413557	53.15%	3.205%
9	9.439	1247	1250	1253	rBV	1279088	945941	7.84%	0.473%
10	9.575	1270	1273	1277	rBV	304307	282450	2.34%	0.141%
11	9.722	1292	1298	1301	rBV	3453495	3269315	27.09%	1.634%
12	9.751	1301	1303	1306	rVB	432906	339107	2.81%	0.169%
13	9.922	1329	1332	1336	rVB	375723	323461	2.68%	0.162%
14	10.263	1387	1390	1392	rBV	908141	738038	6.12%	0.369%
15	10.422	1414	1417	1422	rVB	402256	431913	3.58%	0.216%
16	10.498	1426	1430	1435	rVV2	4802126	4791930	39.71%	2.395%
17	10.810	1476	1483	1485	rBV3	399308	589566	4.89%	0.295%
18	10.833	1485	1487	1490	rVV2	318698	272836	2.26%	0.136%
19	10.939	1500	1505	1506	rBV2	280396	341935	2.83%	0.171%
20	11.045	1520	1523	1527	rBV2	333070	441801	3.66%	0.221%
21	11.086	1527	1530	1533	rVB	568680	458310	3.80%	0.229%
22	11.192	1544	1548	1550	rBV	3196785	3235666	26.81%	1.617%
23	11.221	1550	1553	1556	rVV	8125292	7218127	59.81%	3.607%
24	11.269	1556	1561	1564	rVB	2192385	1914818	15.87%	0.957%
25	11.304	1564	1567	1570	rBV2	288374	315148	2.61%	0.157%
26	11.492	1596	1599	1601	rVV	418055	326370	2.70%	0.163%
27	11.521	1601	1604	1607	rVB3	347941	343089	2.84%	0.171%
28	11.692	1630	1633	1635	rBV	2002006	1732918	14.36%	0.866%
29	11.721	1635	1638	1640	rVV	2743490	2388592	19.79%	1.194%
30	11.768	1643	1646	1648	rVV	1042932	941559	7.80%	0.471%
31	11.804	1648	1652	1654	rVV	3345073	3293946	27.30%	1.646%
32	11.827	1654	1656	1659	rVV	1538478	1166711	9.67%	0.583%
33	11.986	1680	1683	1685	rBV	1475846	1227307	10.17%	0.613%
34	12.139	1703	1709	1712	rBV2	728796	932403	7.73%	0.466%

LSC Area Percent Report

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Operator : HP/JU
Sample : K3105-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : APPLE-TRACK

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-BF052919.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.168	1712	1714	1716	rBV	459439	328638	2.72%	0.164%
36	12.192	1716	1718	1721	rVB	447309	345522	2.86%	0.173%
37	12.245	1721	1727	1730	rBV	1250102	1587723	13.16%	0.793%
38	12.280	1730	1733	1735	rVV	688926	703462	5.83%	0.352%
39	12.304	1735	1737	1739	rVB	513113	352065	2.92%	0.176%
40	12.327	1739	1741	1747	rVB3	535651	800399	6.63%	0.400%
41	12.410	1750	1755	1758	rBV	9973847	10322478	85.54%	5.159%
42	12.451	1758	1762	1767	rBV3	641879	856187	7.09%	0.428%
43	12.521	1771	1774	1777	rBV2	1622400	1664636	13.79%	0.832%
44	12.633	1787	1793	1796	rBV2	8985948	12067729	100.00%	6.031%
45	12.674	1798	1800	1806	rVB2	700977	890901	7.38%	0.445%
46	12.745	1809	1812	1814	rBV	840786	688300	5.70%	0.344%
47	12.774	1814	1817	1823	rVB	5553707	5085879	42.14%	2.542%
48	12.845	1823	1829	1832	rBV2	1233455	1768483	14.65%	0.884%
49	12.933	1836	1844	1845	rBV6	912340	1407398	11.66%	0.703%
50	12.951	1845	1847	1851	rVB	2287439	2230249	18.48%	1.115%
51	13.021	1856	1859	1862	rBV	2038672	1768788	14.66%	0.884%
52	13.057	1862	1865	1867	rVV	1823182	1692377	14.02%	0.846%
53	13.080	1867	1869	1872	rVB	493091	480314	3.98%	0.240%
54	13.145	1877	1880	1883	rVB	965218	782978	6.49%	0.391%
55	13.174	1883	1885	1890	rBV	990982	968853	8.03%	0.484%
56	13.327	1908	1911	1913	rBV3	238947	314836	2.61%	0.157%
57	13.368	1913	1918	1922	rVV4	513937	1083113	8.98%	0.541%
58	13.451	1926	1932	1938	rVV2	784766	1490678	12.35%	0.745%
59	13.562	1947	1951	1954	rVV2	1142086	1462317	12.12%	0.731%
60	13.598	1954	1957	1958	rVV	1304862	1293846	10.72%	0.647%
61	13.615	1958	1960	1964	rVV2	1016767	1298724	10.76%	0.649%
62	13.657	1965	1967	1969	rVV	648050	689638	5.71%	0.345%
63	13.680	1969	1971	1975	rVV	709338	770926	6.39%	0.385%
64	13.733	1978	1980	1983	rVV2	408147	391595	3.24%	0.196%
65	13.815	1986	1994	1997	rVV3	6408375	10269154	85.10%	5.132%
66	13.845	1997	1999	2004	rVB	6103223	5923212	49.08%	2.960%
67	13.921	2007	2012	2015	rBV2	1146223	1127698	9.34%	0.564%
68	13.951	2015	2017	2019	rVV2	405262	363950	3.02%	0.182%
69	13.998	2022	2025	2028	rVV3	640703	800863	6.64%	0.400%
70	14.033	2028	2031	2035	rVV2	524565	771752	6.40%	0.386%
71	14.068	2035	2037	2040	rVB3	296927	263743	2.19%	0.132%

LSC Area Percent Report

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Sample : K3105-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : APPLE-TRACK

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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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052919.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.133	2045	2048	2051	rVB3	320597	364478	3.02%	0.182%
73	14.162	2051	2053	2055	rBV	485867	426960	3.54%	0.213%
74	14.204	2055	2060	2062	rVV	1535125	1702350	14.11%	0.851%
75	14.233	2062	2065	2068	rVB	999890	907639	7.52%	0.454%
76	14.292	2069	2075	2077	rBV3	948716	1248160	10.34%	0.624%
77	14.321	2077	2080	2082	rVV2	924479	1088540	9.02%	0.544%
78	14.345	2082	2084	2088	rVB3	897040	892038	7.39%	0.446%
79	14.398	2091	2093	2097	rVB	484532	449990	3.73%	0.225%
80	14.498	2107	2110	2113	rBV3	381967	506999	4.20%	0.253%
81	14.609	2126	2129	2133	rVB	515731	520501	4.31%	0.260%
82	14.733	2147	2150	2153	rBV3	322574	360508	2.99%	0.180%
83	14.827	2160	2166	2168	rBV	4768151	7914256	65.58%	3.955%
84	14.915	2178	2181	2185	rVB	1507529	1432524	11.87%	0.716%
85	15.015	2192	2198	2201	rBV2	327300	624925	5.18%	0.312%
86	15.051	2202	2204	2207	rVV2	259853	292720	2.43%	0.146%
87	15.098	2207	2212	2217	rVB	3245832	4124672	34.18%	2.061%
88	15.156	2217	2222	2227	rVB	4954988	5915649	49.02%	2.956%
89	15.209	2227	2231	2234	rBV	2332661	2895353	23.99%	1.447%
90	15.239	2234	2236	2239	rVB	1059023	905741	7.51%	0.453%
91	15.604	2294	2298	2301	rBV2	215837	308308	2.55%	0.154%
92	15.662	2302	2308	2310	rVV3	285855	581055	4.81%	0.290%
93	15.715	2314	2317	2326	rVB2	457266	689818	5.72%	0.345%
94	16.374	2423	2429	2436	rVB4	358969	986258	8.17%	0.493%
95	16.539	2450	2457	2463	rVB2	2301010	4208801	34.88%	2.103%
96	16.603	2465	2468	2474	rVB	174997	272079	2.25%	0.136%
97	16.686	2478	2482	2487	rBV	389457	587869	4.87%	0.294%
98	16.739	2487	2491	2495	rBV2	373905	583931	4.84%	0.292%
99	16.933	2517	2524	2538	rVB	1660971	3414581	28.30%	1.706%
100	17.133	2553	2558	2564	rVB	401993	665915	5.52%	0.333%

Sum of corrected areas: 200094949

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060119\
Data File : BF114758.D
Acq On : 1 Jun 2019 15:45
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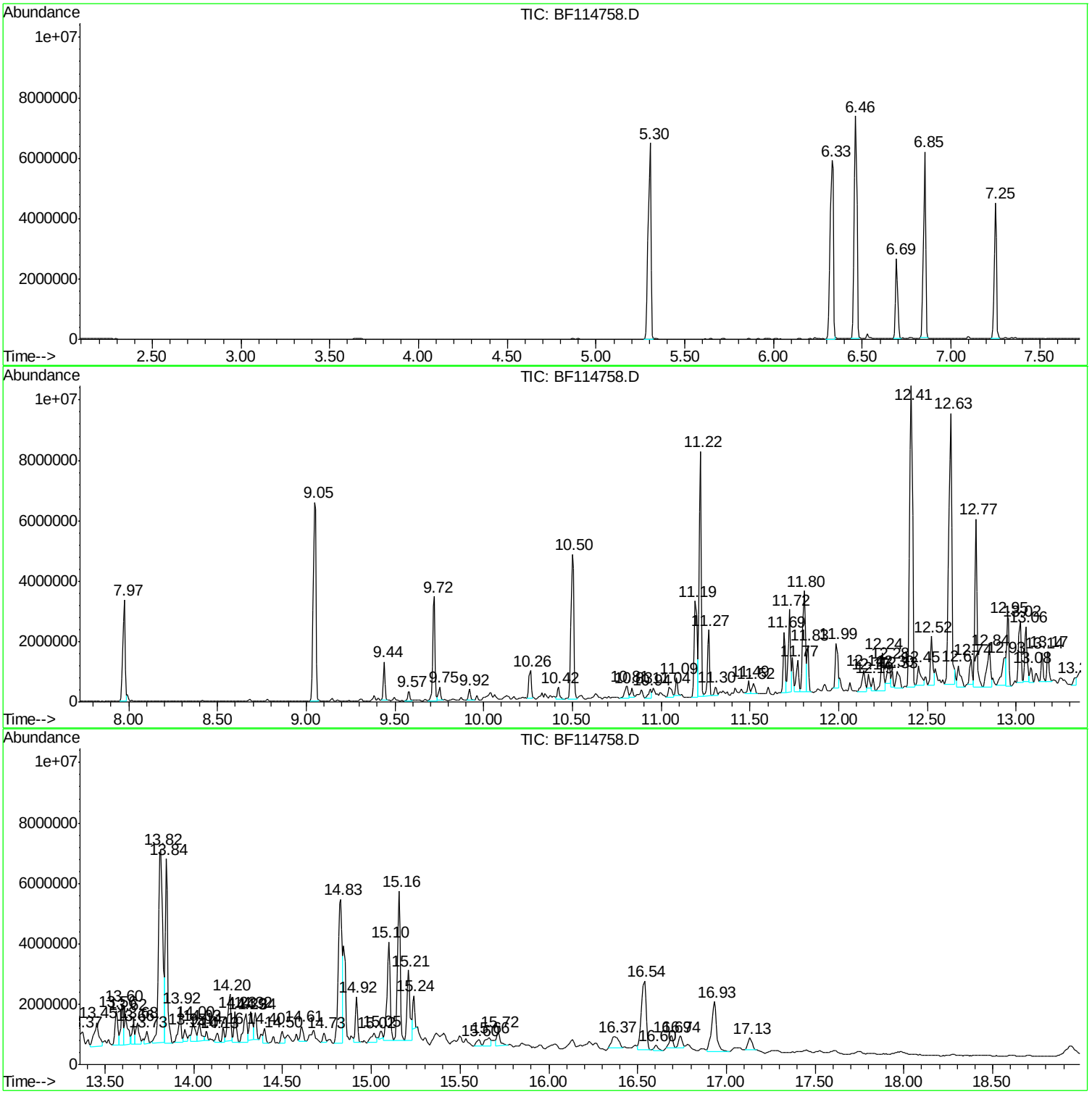
Sample : K3105-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : APPLE-TRACK

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052919.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\BF060119\
Data File : BF114758.D
Acq On : 1 Jun 2019 15:45
Operator : HP/JU
Sample : K3105-03
Misc :
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Instrument : BNA_F
ClientSampleId : APPLE-TRACK

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

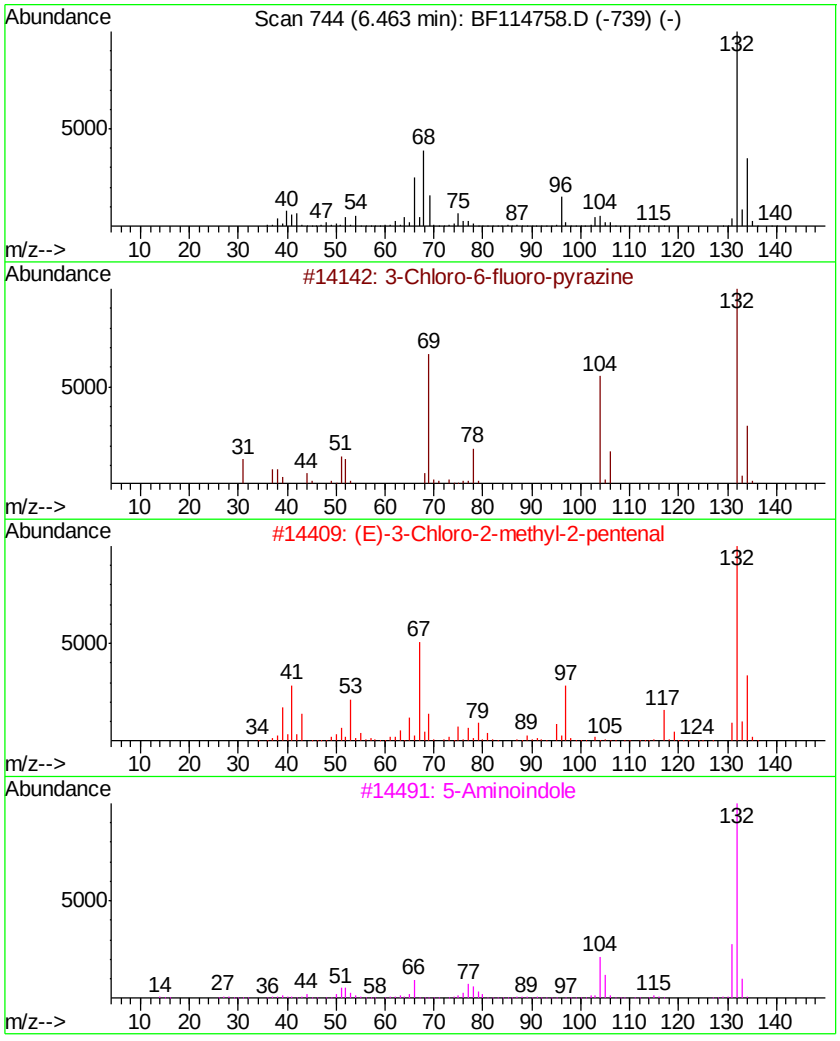
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

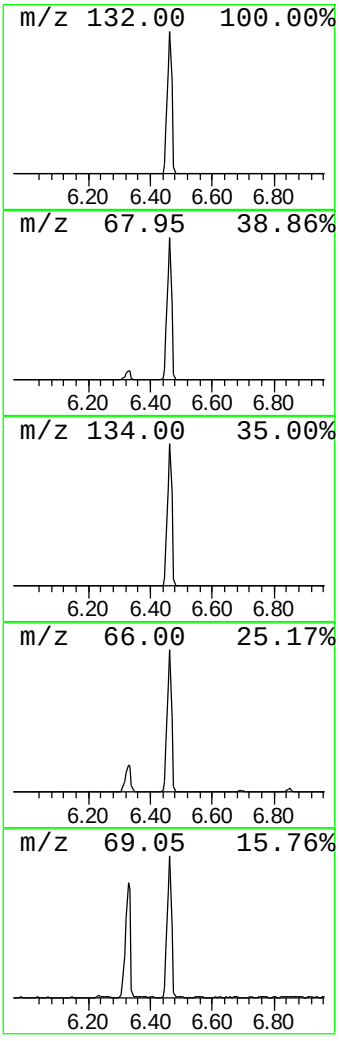
****

Peak Number 1 unknown6.46 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.46	65.63 ng	7201100	1,4-Dichlorobenzene-d4	6.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
5	Xenon	132	Xe	007440-63-3	9





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : APPLE-TRACK

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

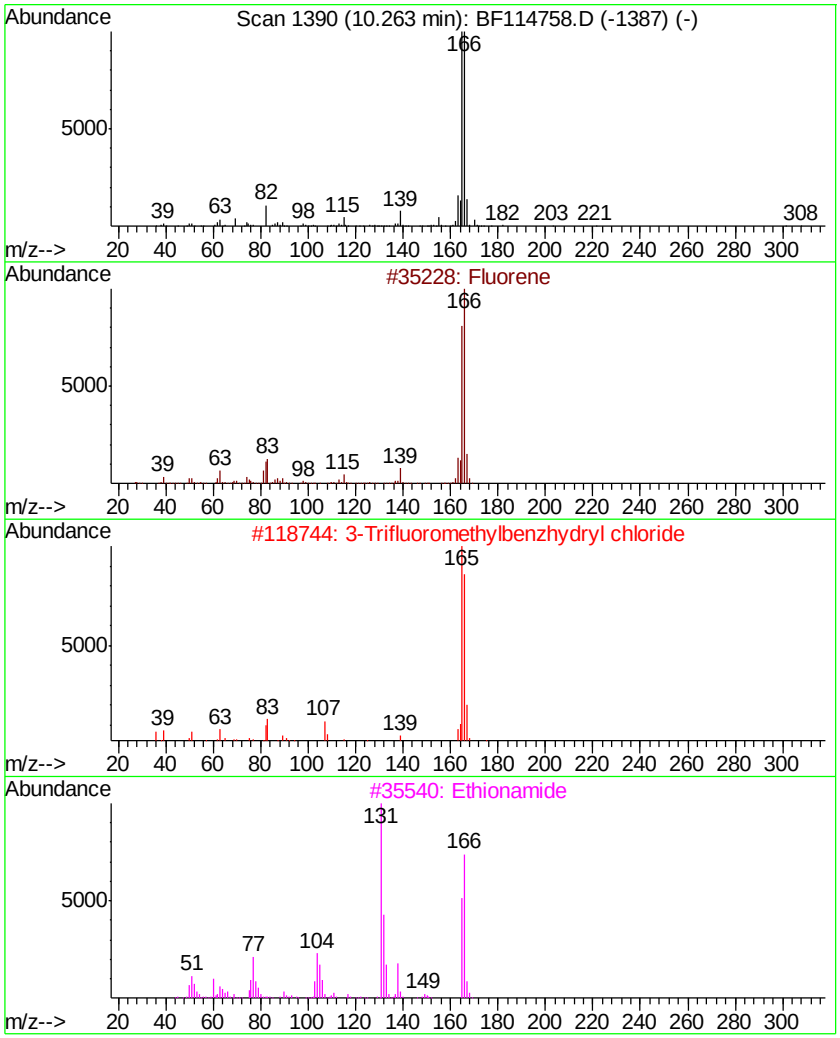
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

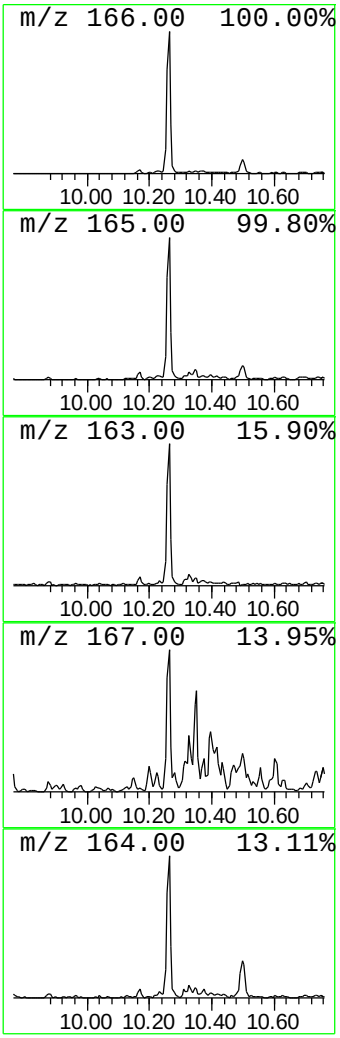
****

Peak Number 3 3-Trifluoromethylbenzhydryl... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.26	4.51 ng	738038	Acenaphthene-d10	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluorene	166	C13H10	000086-73-7	95
2	3-Trifluoromethylbenzhydryl chlo...	270	C14H10ClF3	067240-79-3	56
3	Ethionamide	166	C8H10N2S	000536-33-4	39
4	1H-Phenalene	166	C13H10	000203-80-5	35
5	Spiro[4.5]decane-6,10-dione	166	C10H14O2	006684-66-8	25





Library Search Compound Report

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052919.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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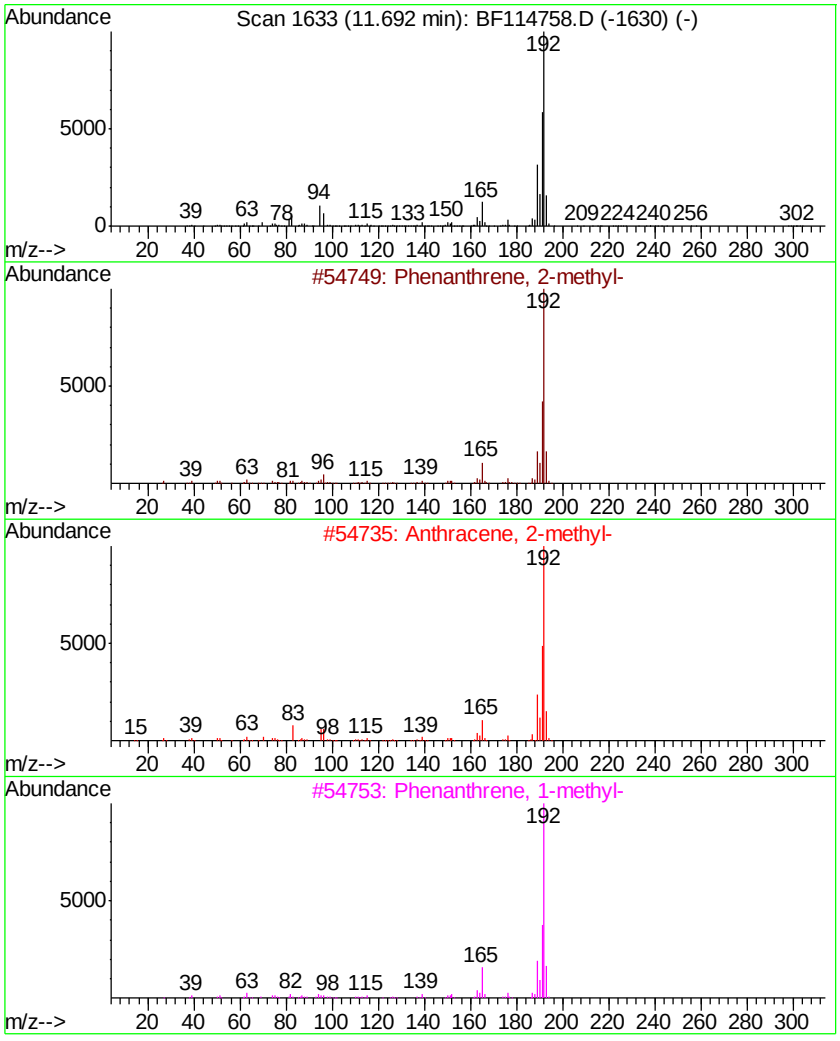
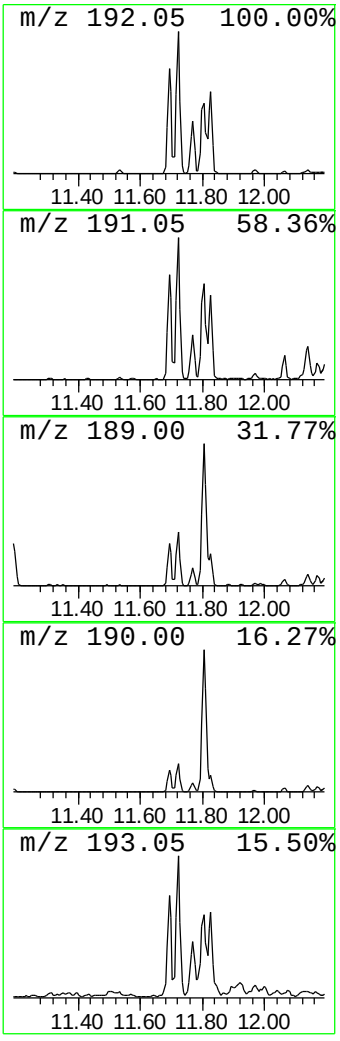
Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.69	10.71 ng	1732920	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060119\
Data File : BF114758.D
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Sample : K3105-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : APPLE-TRACK

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

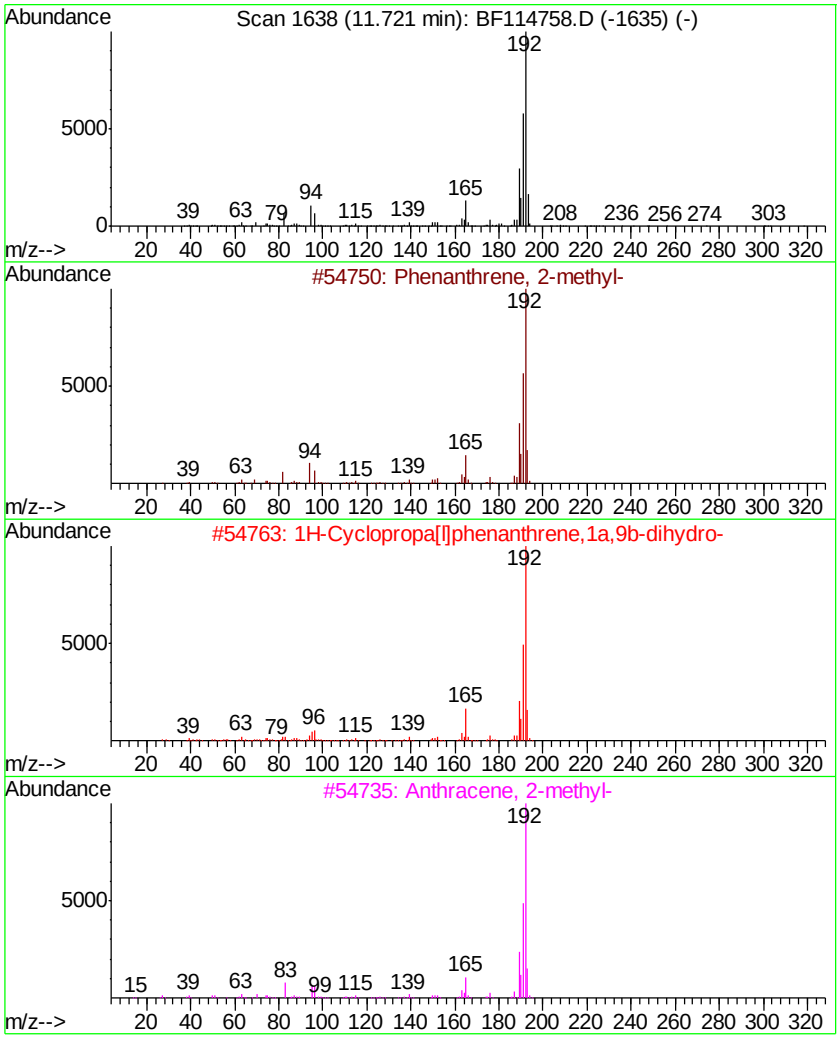
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

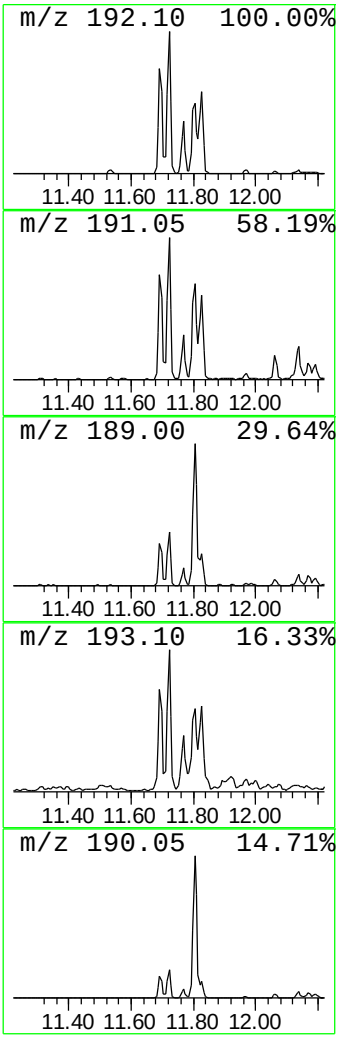
****

Peak Number 5 1H-Cyclopropa[l]phenanthren... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	14.76 ng	2388590	Phenanthrene-d10	11.19

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





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Data File : BF114758.D
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Operator : HP/JU
Sample : K3105-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : APPLE-TRACK

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

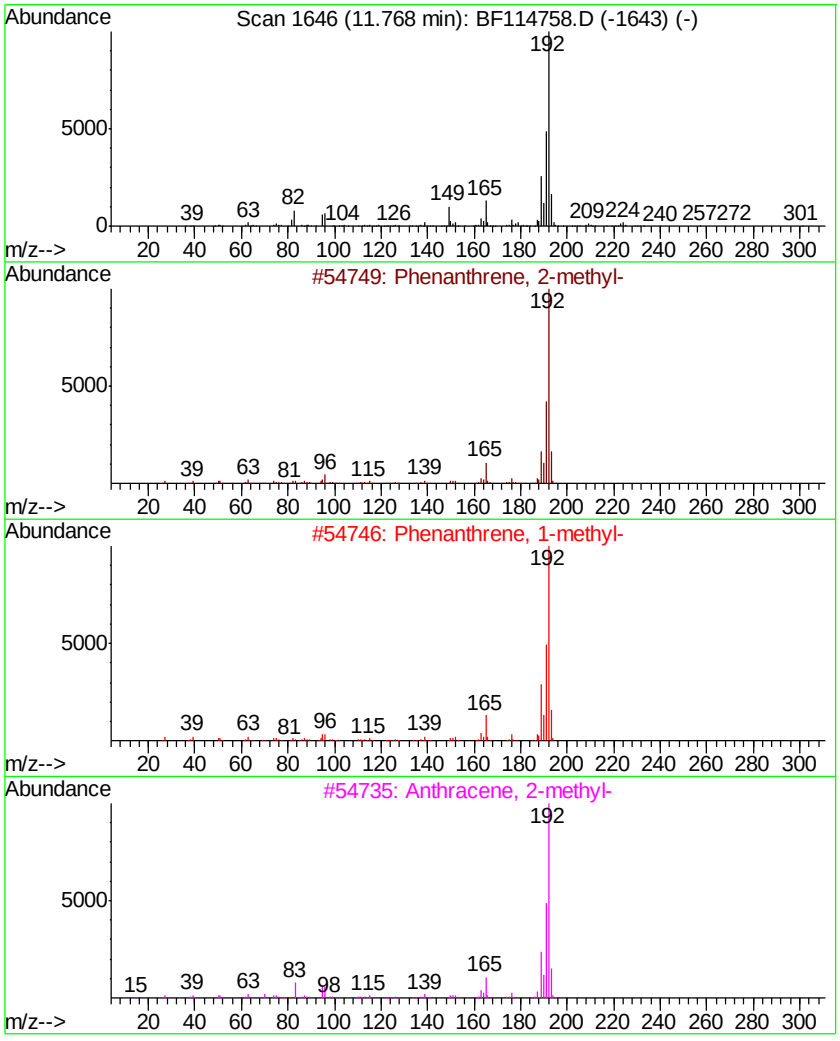
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

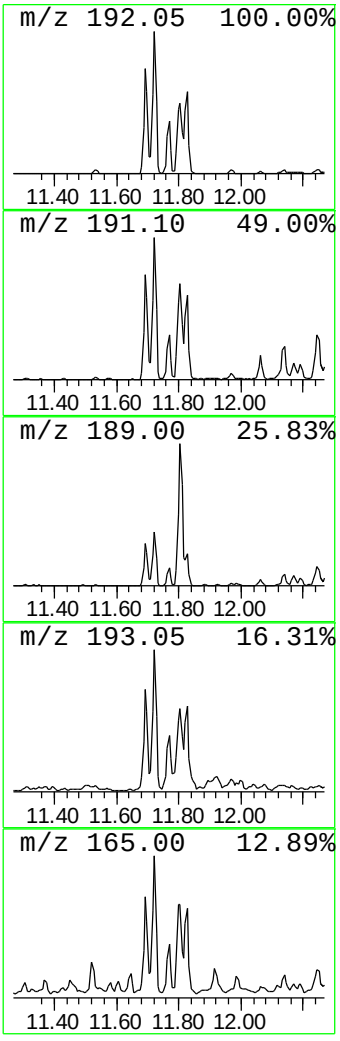
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	5.82 ng	941559	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





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Acq On : 1 Jun 2019 15:45
Operator : HP/JU
Sample : K3105-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

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ClientSampleId : APPLE-TRACK

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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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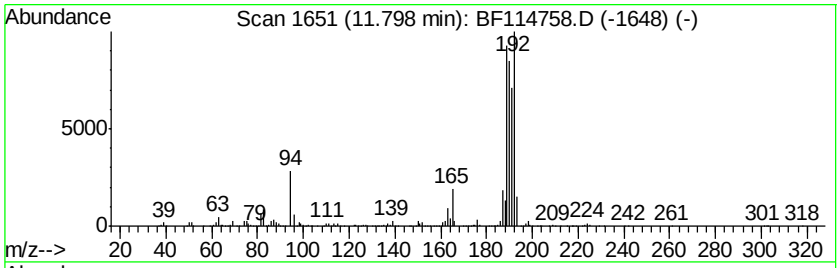
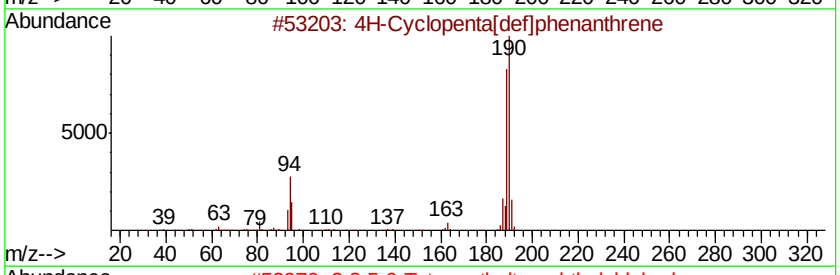
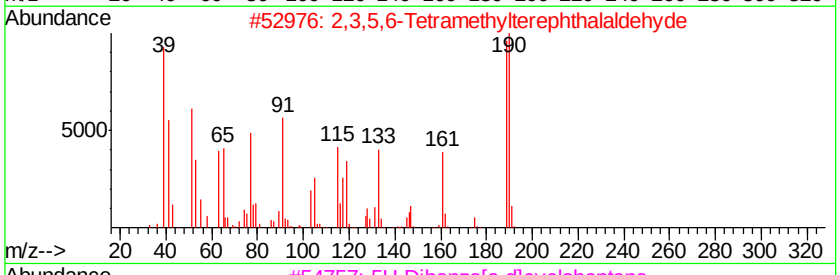
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

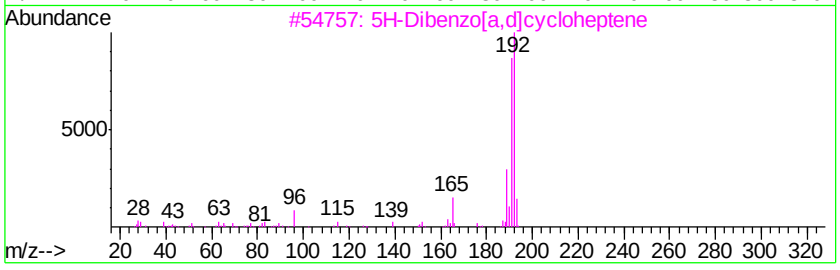
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	20.36 ng	3293950	Phenanthrene-d10	11.19

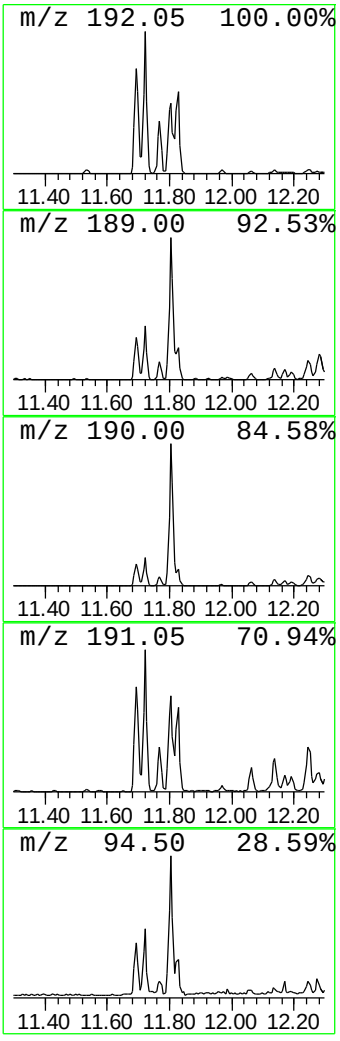
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
4	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	30
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	30











Library Search Compound Report

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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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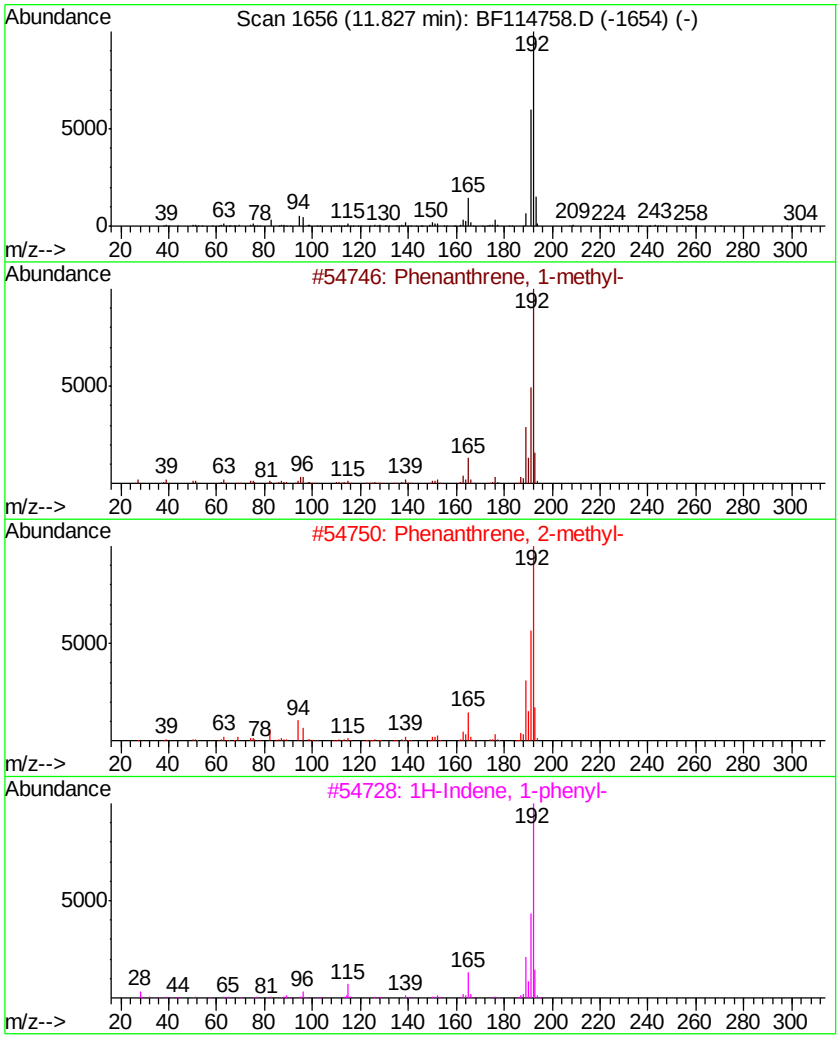
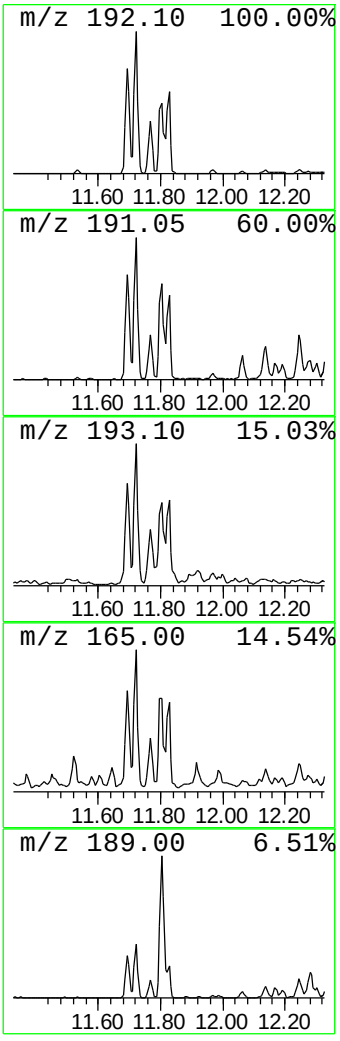
Peak Number 8 1H-Indene, 1-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	7.21 ng	1166710	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90





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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : APPLE-TRACK

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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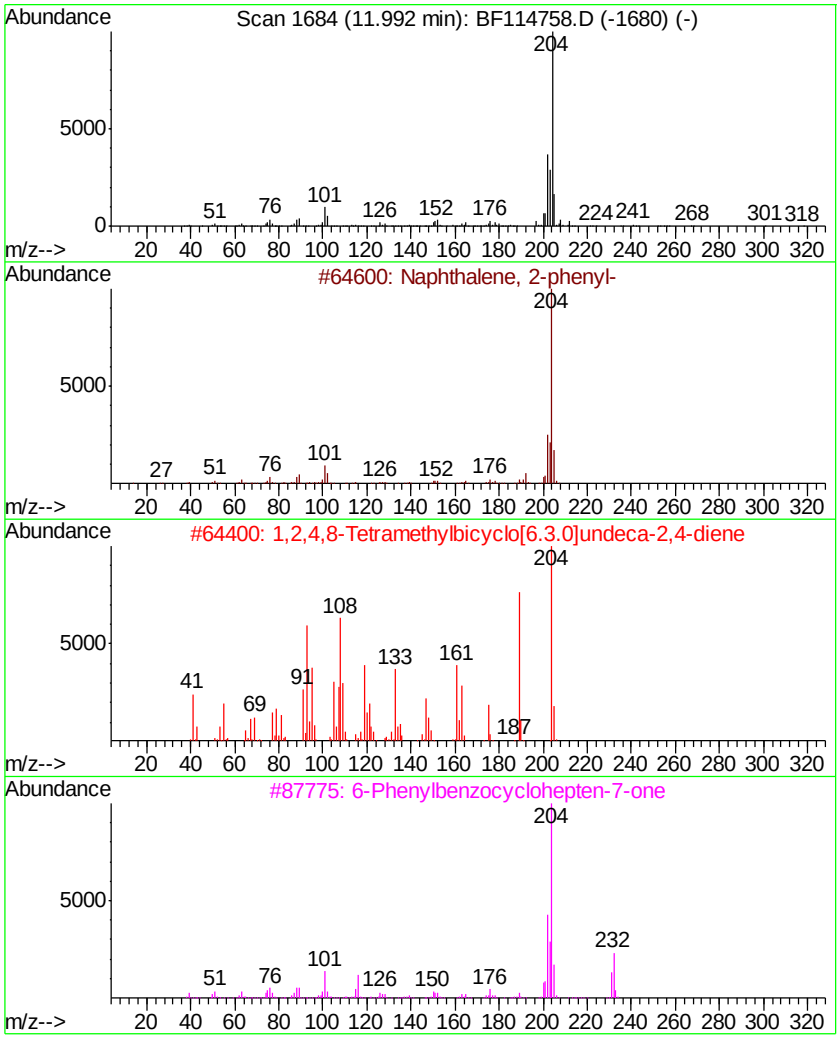
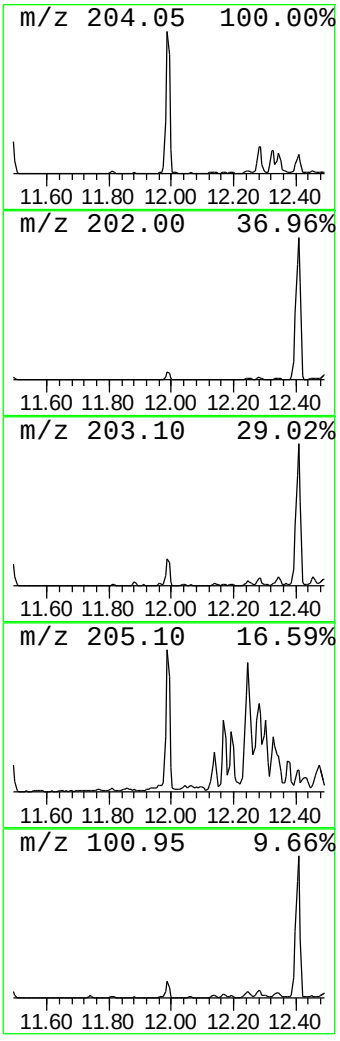
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	7.59 ng	1227310	Phenanthrene-d10	11.19

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	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	86
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P

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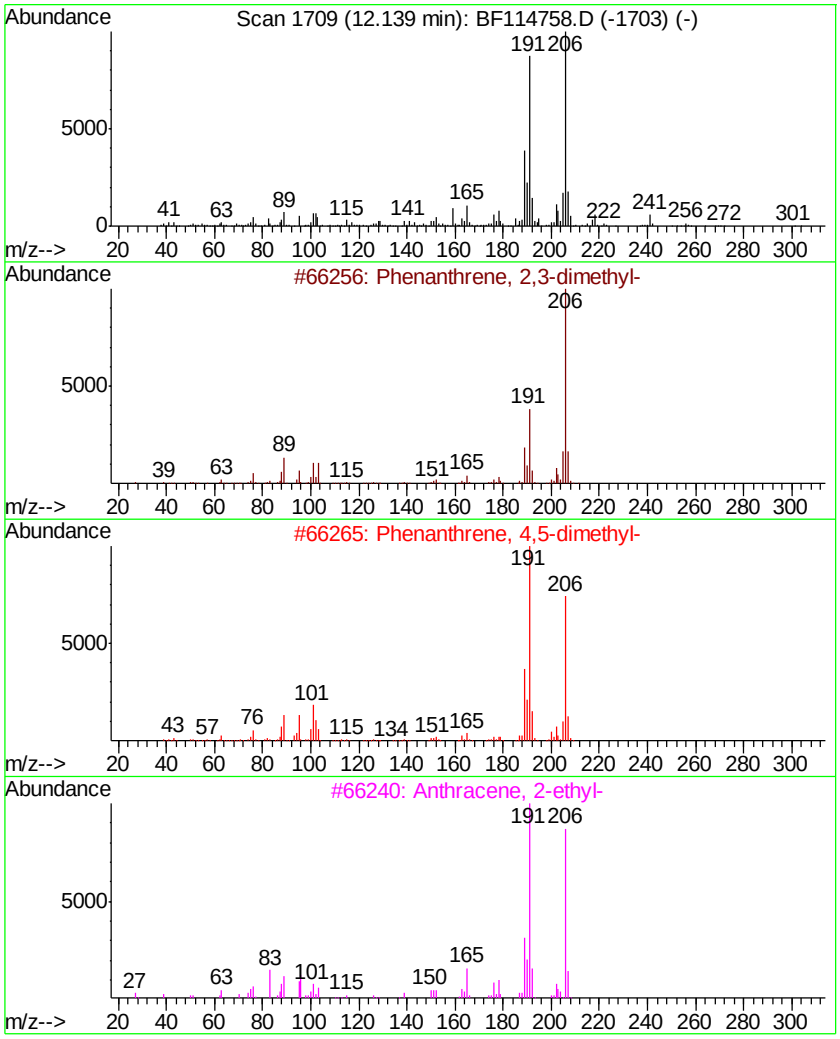
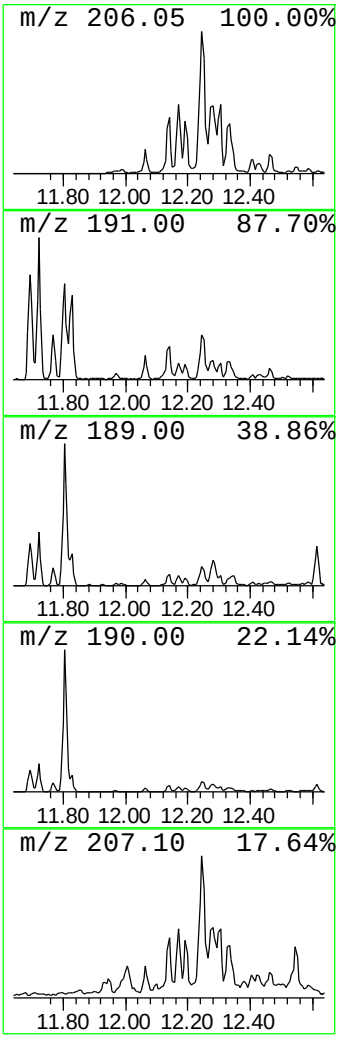
Peak Number 10 Phenanthrene, 2,3-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	5.76 ng	932403	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
3	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	93
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	87
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	81





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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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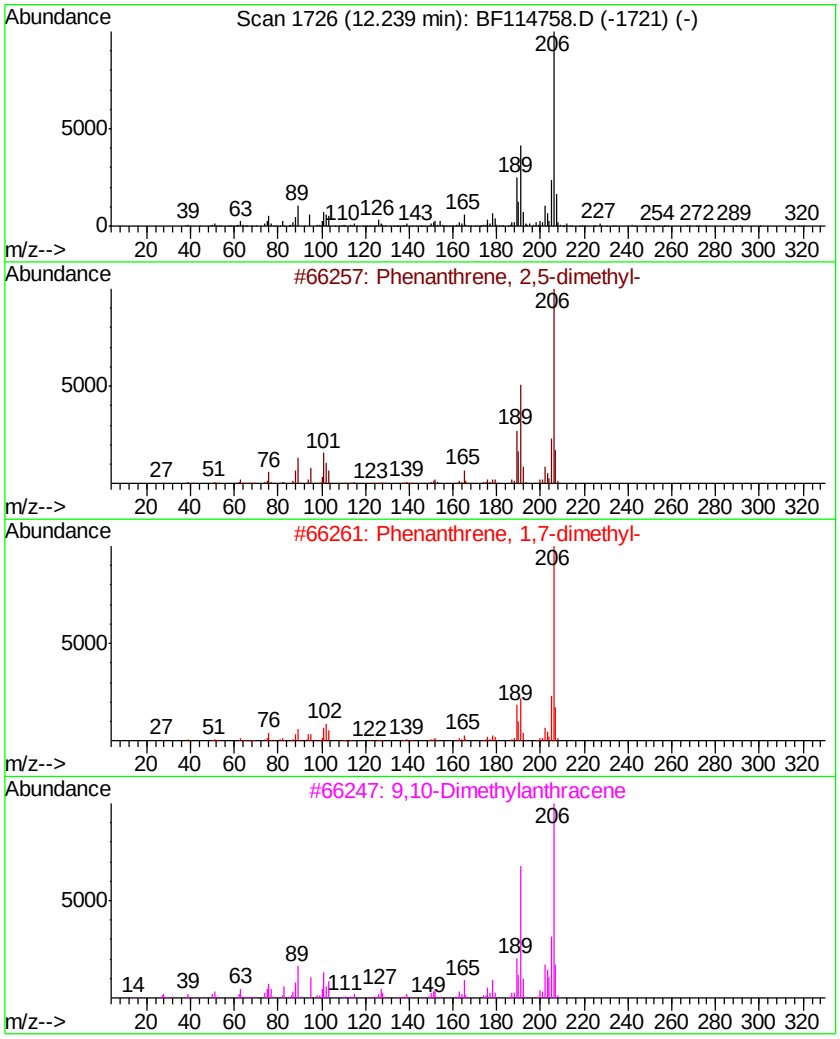
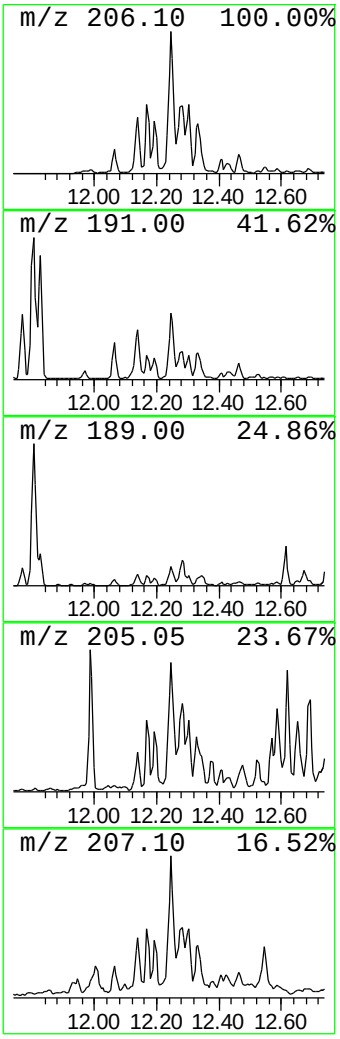
Peak Number 11 Phenanthrene, 1,7-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	9.81 ng	1587720	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90





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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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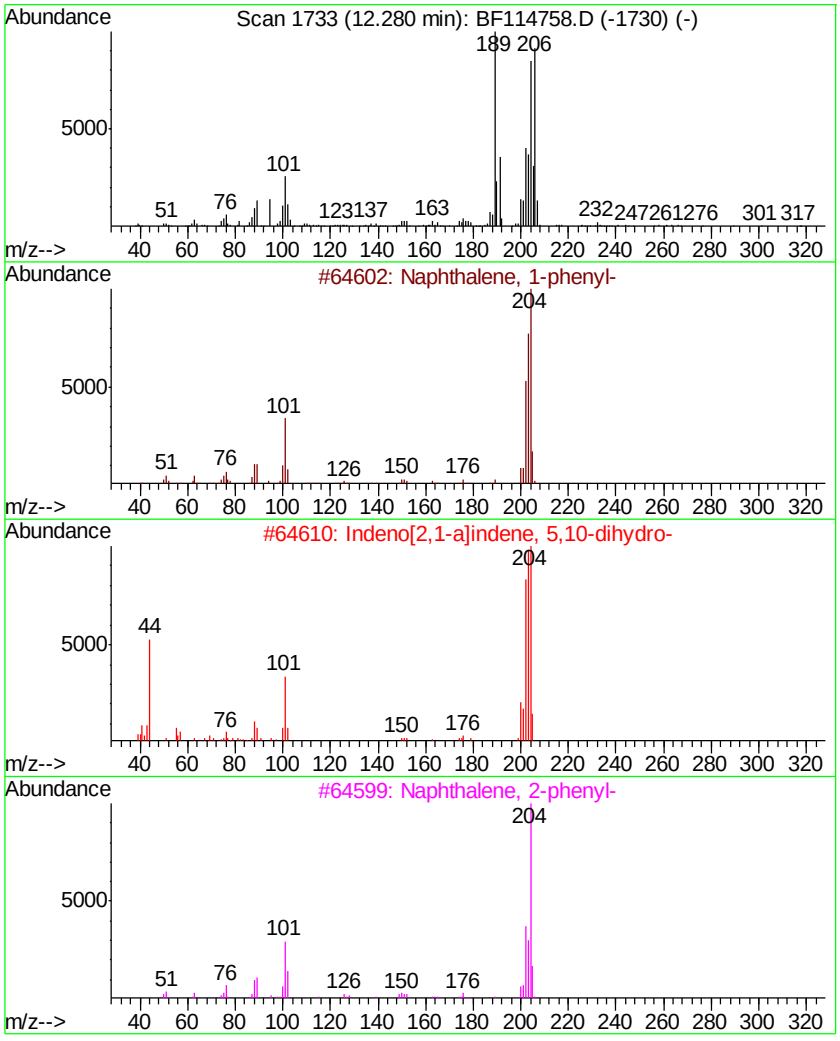
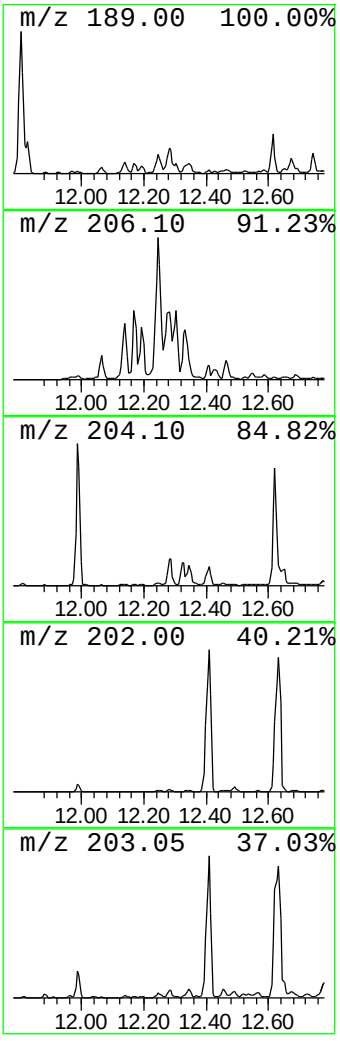
Peak Number 12 unknown12.28 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	4.35 ng	703462	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	48
2	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	41
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
4	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	35
5	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	30





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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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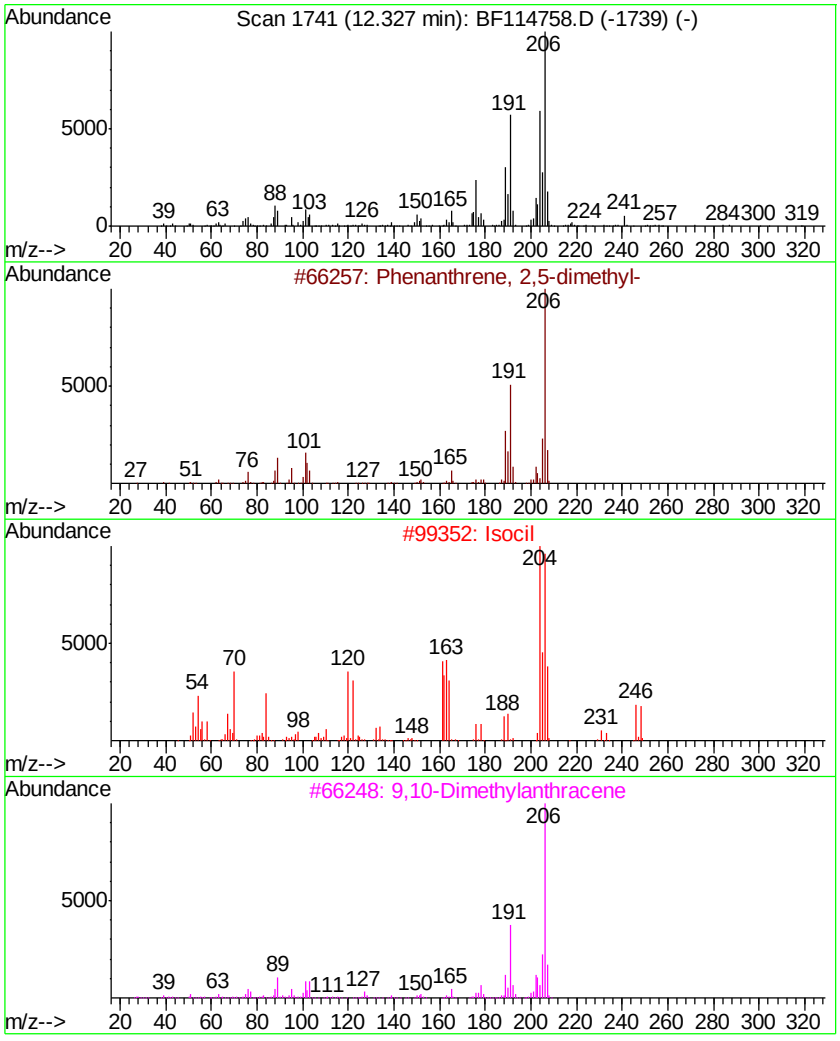
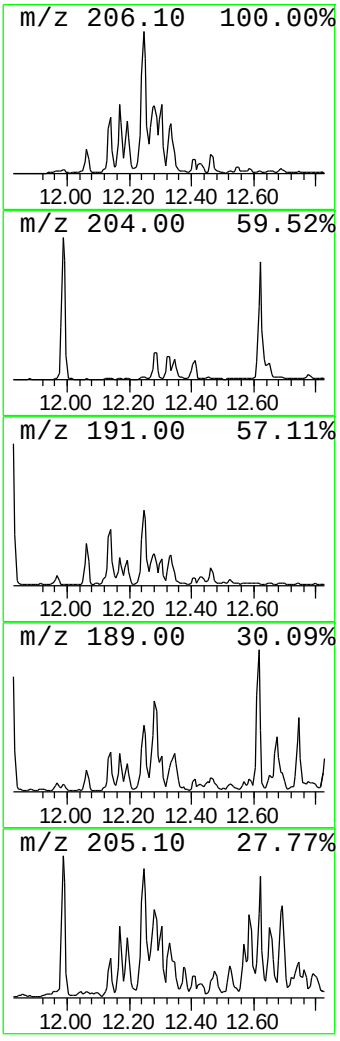
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	4.95 ng	800399	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	86
2	Isocil	246	C8H11BrN2O2	000314-42-1	80
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	78
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	64
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	60





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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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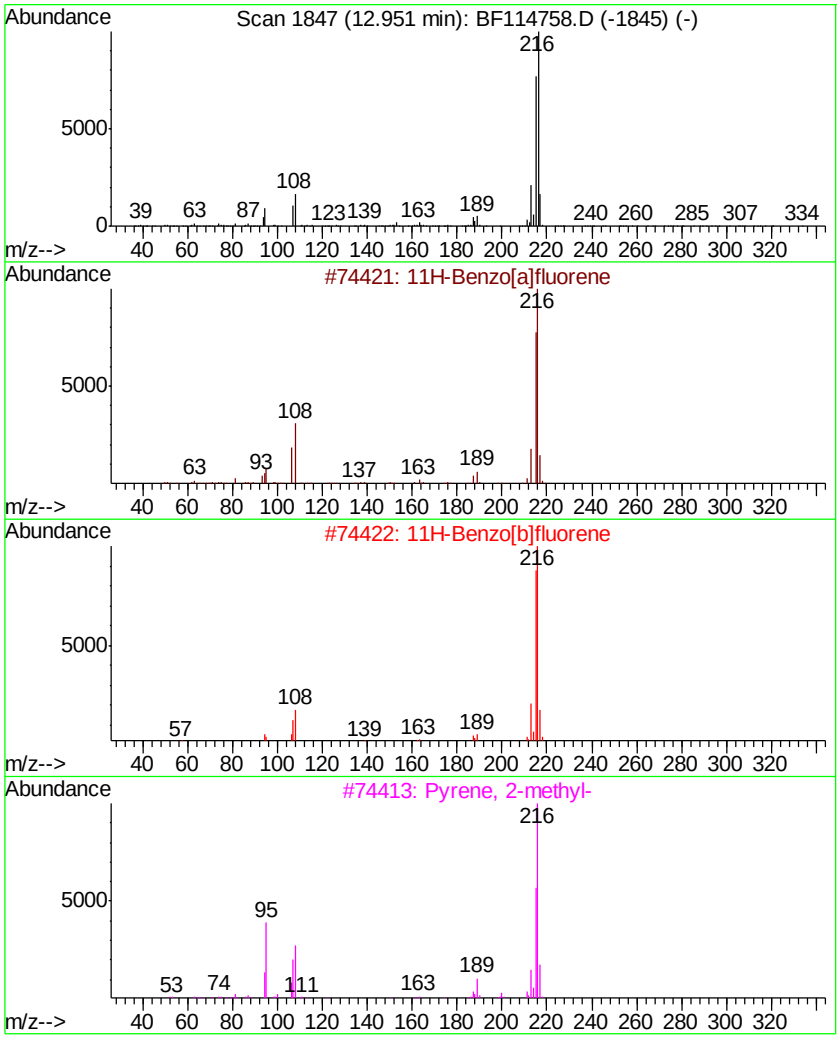
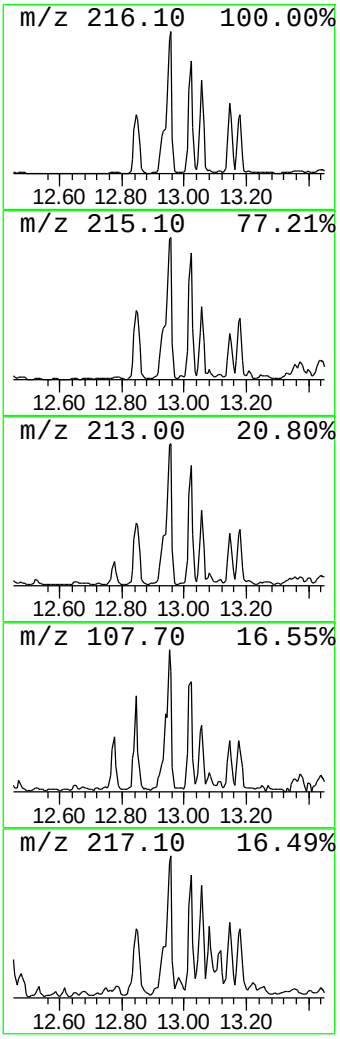
Peak Number 14 11H-Benzo[a]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.95	4.34 ng	2230250	Chrysene-d12	13.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	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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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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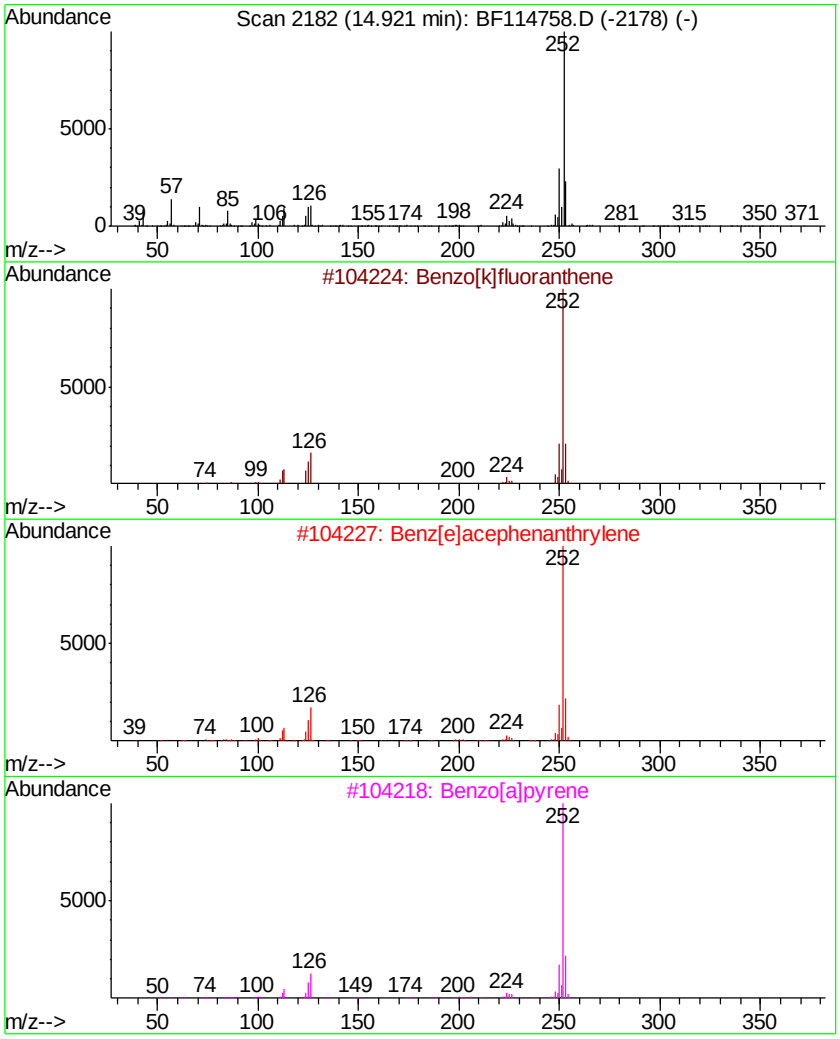
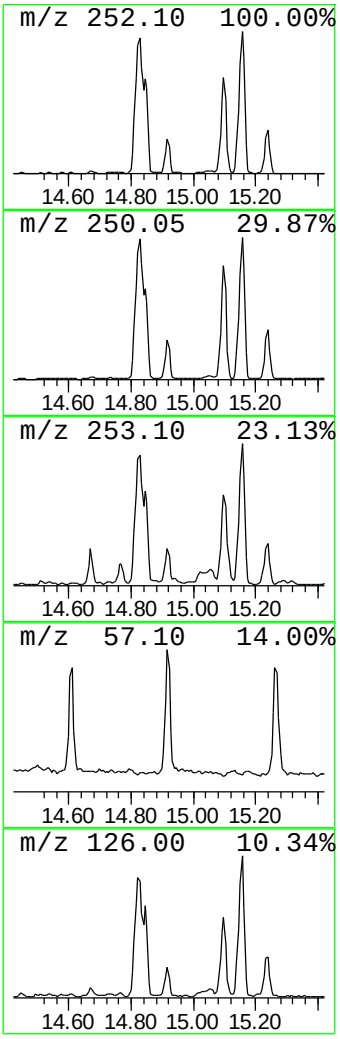
Peak Number 15 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.92	9.90 ng	1432520	Perylene-d12	15.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	91
4	Benzo[e]pyrene	252	C20H12	000192-97-2	91
5	Perylene	252	C20H12	000198-55-0	81





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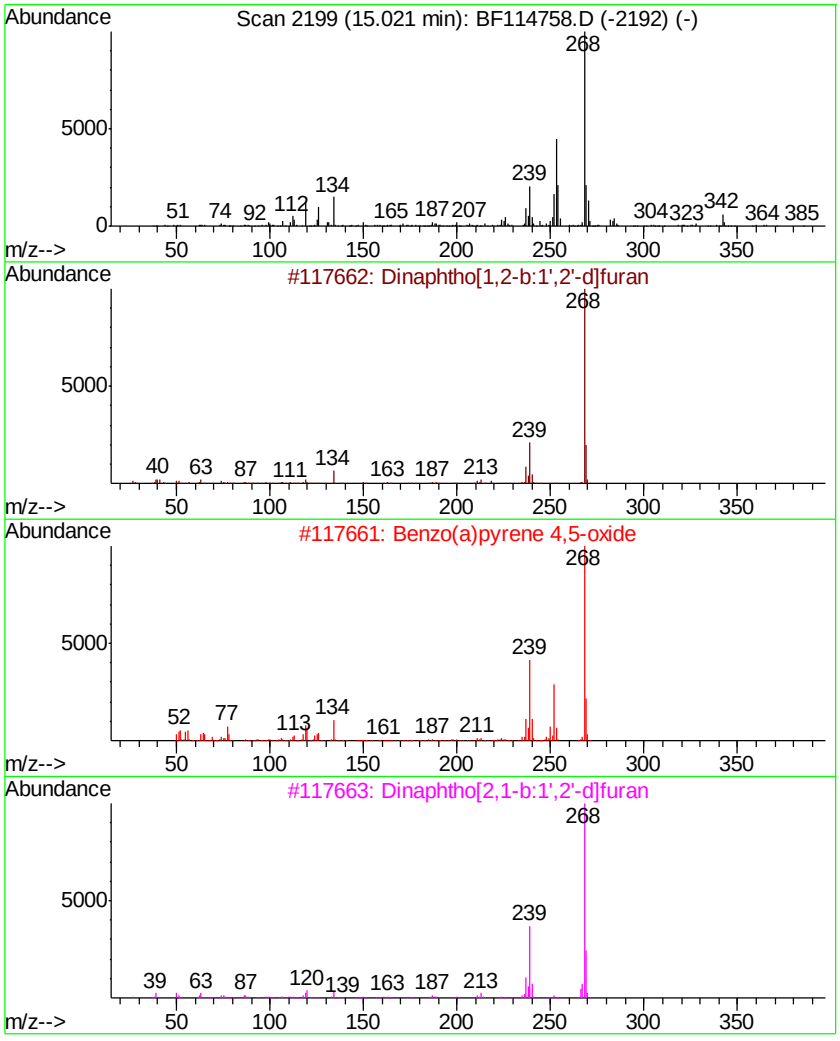
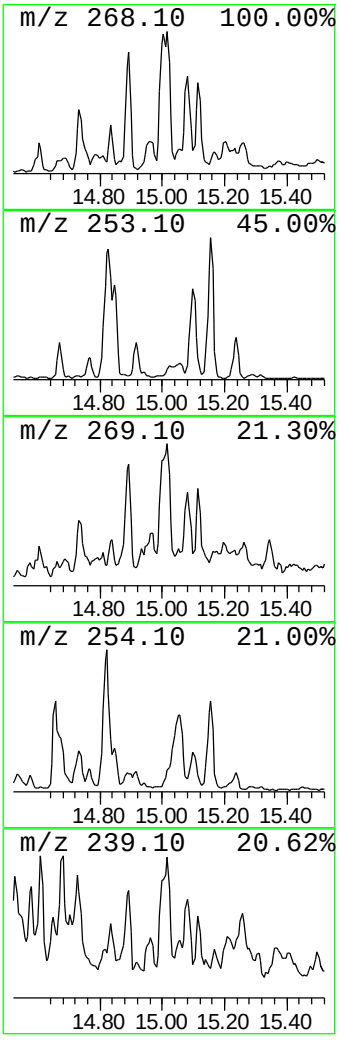
Peak Number 16 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.02	4.32 ng	624925	Perylene-d12	15.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	83
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	62
3	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	52
4	Benzene, 1,1'-(1-ethyl-1,2-ethen...	268	C18H20O2	025346-90-1	50
5	trans-4,4'-Dimethoxychalcone	268	C17H16O3	041564-67-4	50





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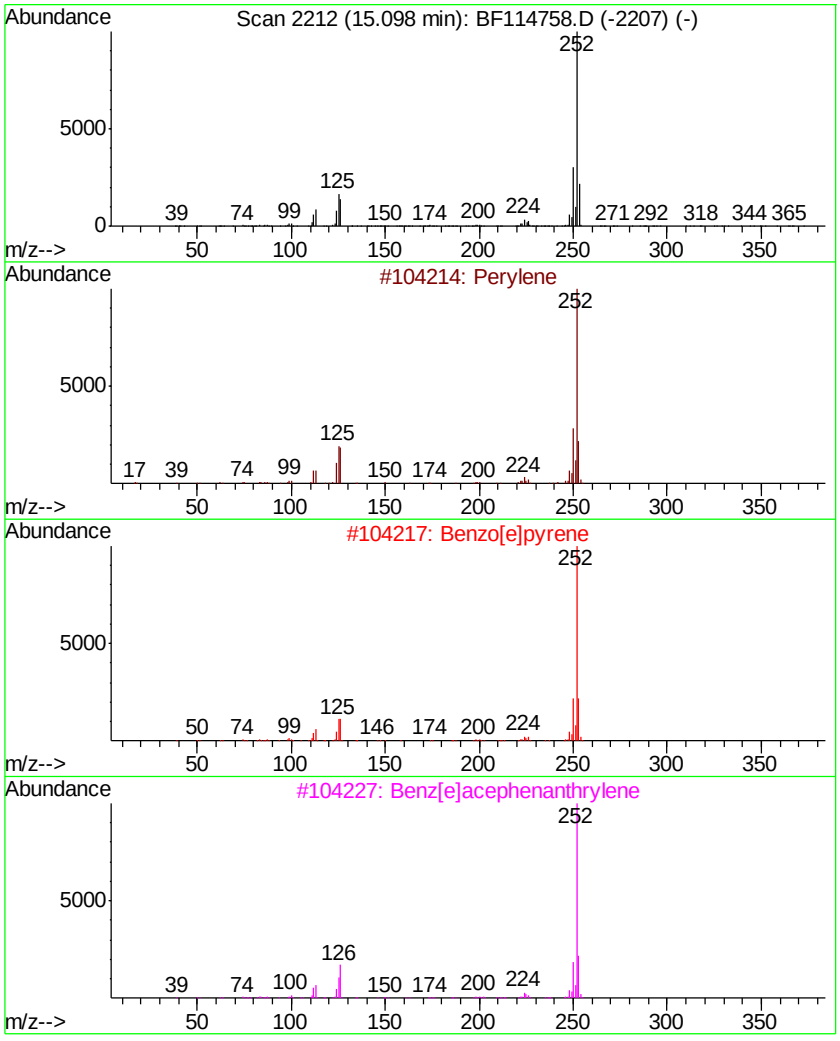
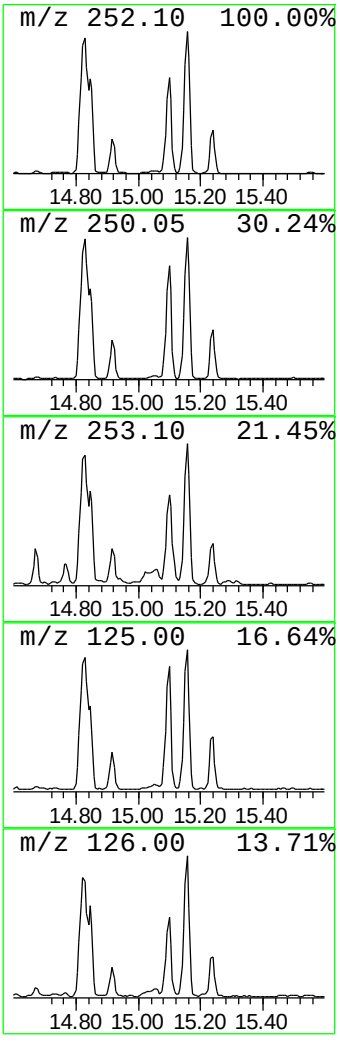
Peak Number 17 unknown15.10 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.10	28.49 ng	4124670	Perylene-d12	15.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	95
2	Benzo[e]pyrene	252	C20H12	000192-97-2	94
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91





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Data File : BF114758.D
Acq On : 1 Jun 2019 15:45
Operator : HP/JU
Sample : K3105-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : APPLE-TRACK

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052919.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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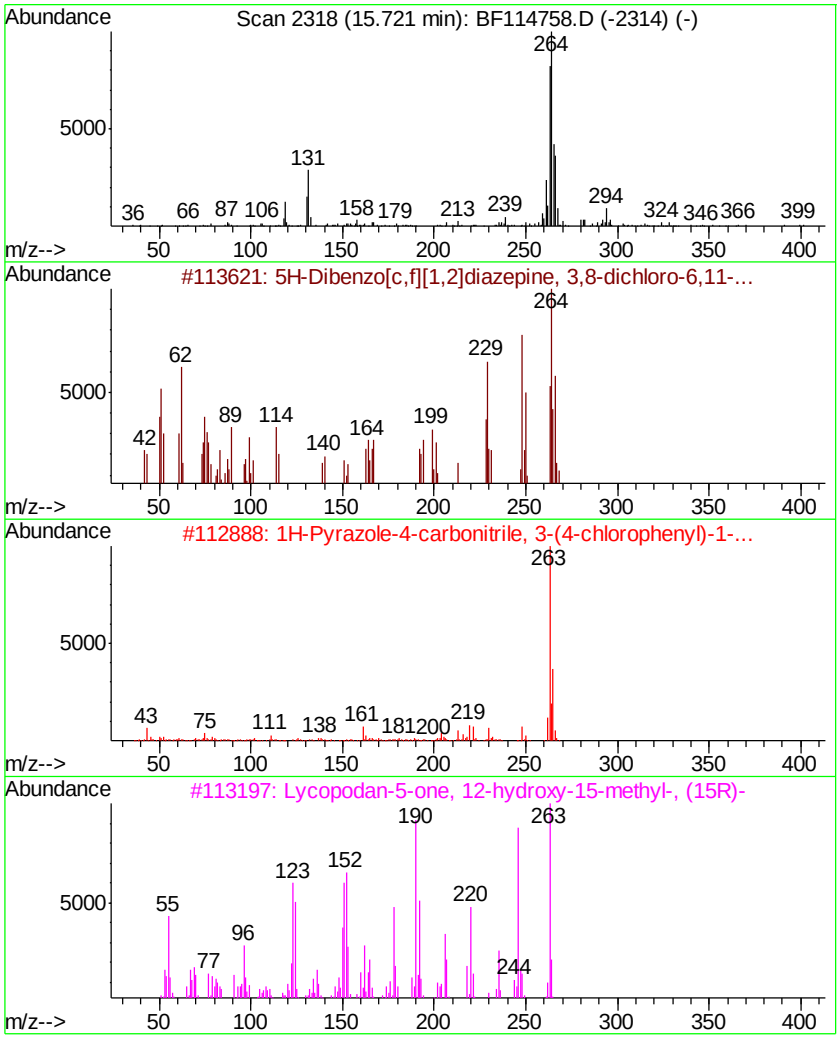
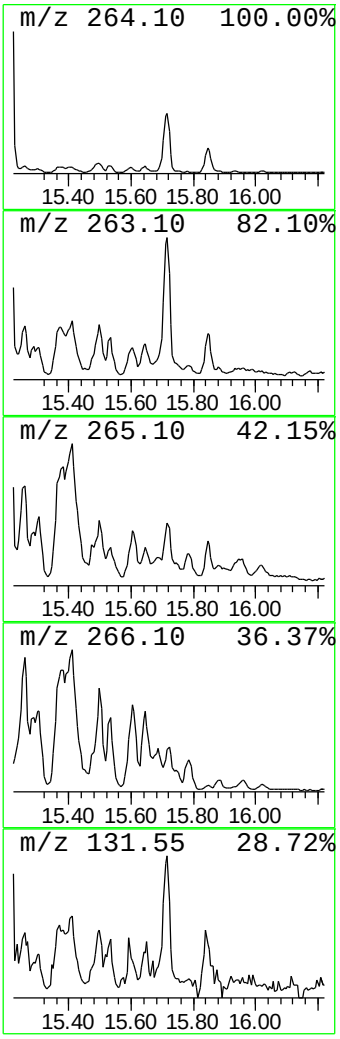
Peak Number 18 unknown15.72 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	4.77 ng	689818	Perylene-d12	15.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[c,f][1,2]diazepine, 3...	264	C13H10Cl2N2	000955-66-8	37
2	1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10ClN3S	068364-67-0	25
3	Lycopodan-5-one, 12-hydroxy-15-m...	263	C16H25NO2	006900-92-1	22
4	7-Carbomethoxy-5,8-dimethoxy-1-t...	264	C14H16O5	122136-07-6	18
5	Iron, (.eta.-5-cyclopentadienyl)...	264	C16H16Fe	1000155-06-6	17





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060119\
Data File : BF114758.D
Acq On : 1 Jun 2019 15:45
Operator : HP/JU
Sample : K3105-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : APPLE-TRACK

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052919.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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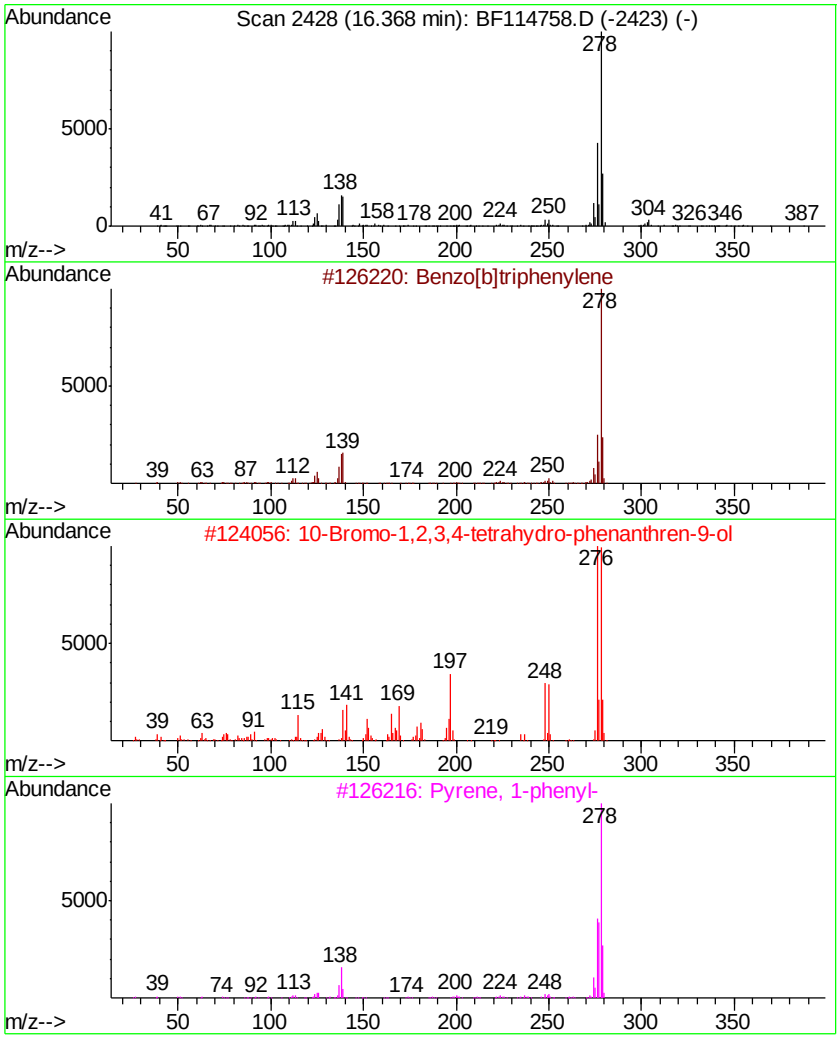
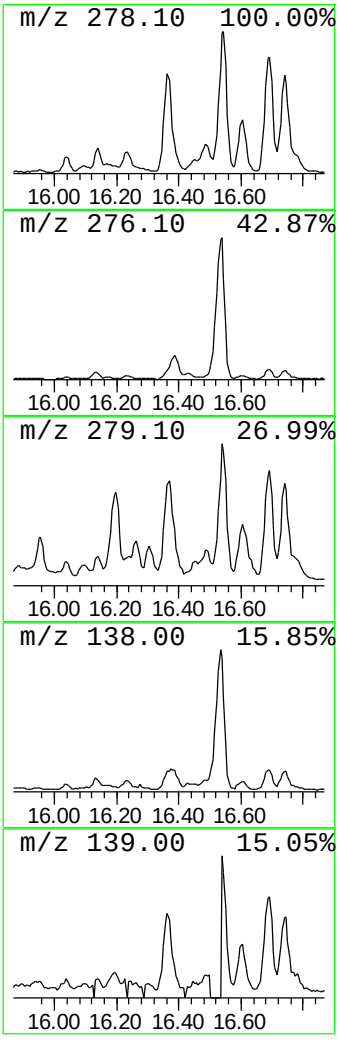
Peak Number 19 Benzo[b]triphenylene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.37	6.81 ng	986258	Perylene-d12	15.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	70
2	10-Bromo-1,2,3,4-tetrahydro-phen...	276	C14H13BrO	1000190-54-9	68
3	Pyrene, 1-phenyl-	278	C22H14	005101-27-9	50
4	Picene	278	C22H14	000213-46-7	49
5	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	46





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060119\
Data File : BF114758.D
Acq On : 1 Jun 2019 15:45
Operator : HP/JU
Sample : K3105-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : APPLE-TRACK

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052919.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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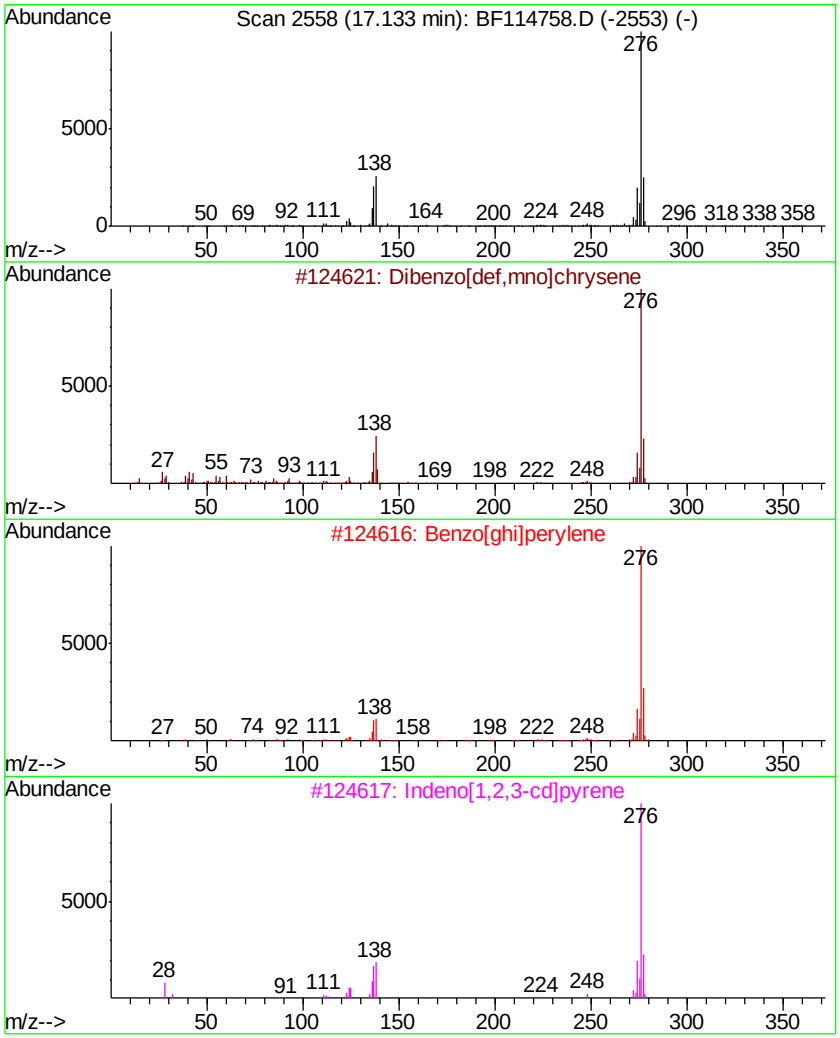
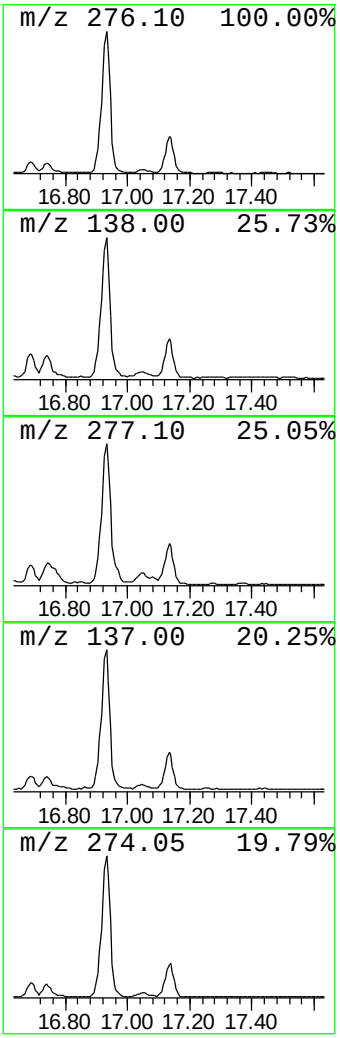
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.13	4.60 ng	665915	Perylene-d12	15.21

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	90
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	83
5	Naphthalen-1-yl-(3-nitro-benzyli...	276	C17H12N2O2	200421-53-0	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF060119\
Data File : BF114758.D
Acq On : 1 Jun 2019 15:45
Operator : HP/JU
Sample : K3105-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : APPLE-TRACK

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052919.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
unknown6.46	6.46	65.6	ng	7201100	1	6.69	2194410	20.0
3-Trifluoromethyl...	10.26	4.5	ng	738038	3	9.72	3269320	20.0
Phenanthrene, 2-m...	11.69	10.7	ng	1732920	4	11.19	3235670	20.0
1H-Cyclopropa[l]p...	11.72	14.8	ng	2388590	4	11.19	3235670	20.0
Phenanthrene, 1-m...	11.77	5.8	ng	941559	4	11.19	3235670	20.0
4H-Cyclopenta[def...	11.80	20.4	ng	3293950	4	11.19	3235670	20.0
1H-Indene, 1-phenyl-	11.83	7.2	ng	1166710	4	11.19	3235670	20.0
Naphthalene, 2-ph...	11.99	7.6	ng	1227310	4	11.19	3235670	20.0
Phenanthrene, 2,3...	12.14	5.8	ng	932403	4	11.19	3235670	20.0
Phenanthrene, 1,7...	12.24	9.8	ng	1587720	4	11.19	3235670	20.0
unknown12.28	12.28	4.3	ng	703462	4	11.19	3235670	20.0
Phenanthrene, 2,5...	12.33	5.0	ng	800399	4	11.19	3235670	20.0
11H-Benzo[a]fluorene	12.95	4.3	ng	2230250	5	13.82	10269200	20.0
Benzo[e]pyrene	14.92	9.9	ng	1432520	6	15.21	2895350	20.0
Dinaphtho[1,2-b:1...	15.02	4.3	ng	624925	6	15.21	2895350	20.0
unknown15.10	15.10	28.5	ng	4124670	6	15.21	2895350	20.0
unknown15.72	15.72	4.8	ng	689818	6	15.21	2895350	20.0
Benzo[b]triphenylene	16.37	6.8	ng	986258	6	15.21	2895350	20.0
Dibenzo[def,mno]c...	17.13	4.6	ng	665915	6	15.21	2895350	20.0