LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060119\
Data File : BF114760.D
Acq On : 1 Jun 2019 16:39
Operator : HP/JU
Sample : K3105-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 8-9-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	542	547	550	rBV	6333518	6324700	19.26%	1.585%
2	6.334	717	722	725	rBV	6334498	6259419	19.06%	1.569%
3	6.463	740	744	748	rBV	6886610	6761480	20.59%	1.695%
4	6.692	780	783	787	rBV	2319191	2042412	6.22%	0.512%
5	6.851	806	810	813	rBV	6118681	5292027	16.11%	1.327%
6	7.251	873	878	881	rBV	4193012	4186289	12.75%	1.049%
7	7.975	997	1001	1003	rBV	3113512	2543224	7.74%	0.638%
8	9.051	1179	1184	1187	rBV	6746216	6110252	18.61%	1.532%
9	9.439	1247	1250	1253	rVV	1106627	869203	2.65%	0.218%
10	9.722	1292	1298	1300	rBV	2964512	2737275	8.33%	0.686%
11	9.751	1300	1303	1307	rVV	2619968	2119910	6.46%	0.531%
12	9.922	1329	1332	1336	rVB	1339066	1077816	3.28%	0.270%
13	10.039	1349	1352	1354	rVV	452954	582186	1.77%	0.146%
14	10.063	1354	1356	1360	rVV2	399365	566708	1.73%	0.142%
15	10.263	1387	1390	1393	rVV	2717111	2270103	6.91%	0.569%
16	10.374	1407	1409	1411	rVV	899615	762910	2.32%	0.191%
17	10.422	1415	1417	1423	rVB	748335	702121	2.14%	0.176%
18	10.504	1426	1431	1435	rVV	5198875	5070151	15.44%	1.271%
19	10.633	1447	1453	1459	rVB5	295280	595168	1.81%	0.149%
20	10.810	1477	1483	1486	rBV4	863596	1206701	3.67%	0.302%
21	11.051	1521	1524	1527	rBV2	613003	780386	2.38%	0.196%
22	11.092	1527	1531	1534	rVB	1141655	945972	2.88%	0.237%
23	11.198	1545	1549	1550	rBV	2547071	2521693	7.68%	0.632%
24	11.227	1550	1554	1557	rVV	10781327	12986660	39.54%	3.255%
25	11.274	1557	1562	1565	rVV	6056037	5291747	16.11%	1.326%
26	11.304	1565	1567	1571	rVV2	637995	735932	2.24%	0.184%
27	11.421	1581	1587	1590	rBV2	1277689	1493453	4.55%	0.374%
28	11.492	1597	1599	1601	rVV	696612	581299	1.77%	0.146%
29	11.527	1601	1605	1608	rVB4	585429	672634	2.05%	0.169%
30	11.604	1616	1618	1622	rVB	791325	751166	2.29%	0.188%
31	11.698	1630	1634	1636	rVV	3489494	3217772	9.80%	0.807%
32	11.727	1636	1639	1641	rVV	4615731	4434936	13.50%	1.112%
33	11.751	1641	1643	1644	rVV	2259563	1909584	5.81%	0.479%
34	11.774	1644	1647	1650	rVV	5241974	5261846	16.02%	1.319%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060119\
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Acq On : 1 Jun 2019 16:39
Operator : HP/JU
Sample : K3105-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 8-9-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	11.810	1650	1653	1655	rVV	6156483	6499587	19.79%	1.629%
36	11.833	1655	1657	1660	rVB	2876376	2205205	6.71%	0.553%
37	11.992	1681	1684	1686	rBV	2795378	2274239	6.92%	0.570%
38	12.010	1686	1687	1691	rVB2	747349	604894	1.84%	0.152%
39	12.145	1704	1710	1713	rBV2	1306773	1686457	5.14%	0.423%
40	12.174	1713	1715	1717	rBV	843493	638289	1.94%	0.160%
41	12.198	1717	1719	1722	rVB	943635	769238	2.34%	0.193%
42	12.251	1723	1728	1731	rBV	2210152	3084056	9.39%	0.773%
43	12.292	1731	1735	1736	rBV	1211984	1381393	4.21%	0.346%
44	12.310	1736	1738	1741	rVB	2330359	1805415	5.50%	0.453%
45	12.345	1741	1744	1750	rVB3	1116343	1776011	5.41%	0.445%
46	12.433	1752	1759	1761	rBV	11378949	17428689	53.07%	4.369%
47	12.457	1761	1763	1769	rVB3	2362222	2477536	7.54%	0.621%
48	12.533	1772	1776	1778	rBV	4537247	4818900	14.67%	1.208%
49	12.651	1789	1796	1799	rBV3	11107505	21577650	65.70%	5.409%
50	12.680	1799	1801	1807	rVB3	1930543	2638727	8.03%	0.661%
51	12.751	1810	1813	1815	rBV	2043567	1682949	5.12%	0.422%
52	12.780	1815	1818	1825	rVB2	6363852	6760796	20.59%	1.695%
53	12.857	1825	1831	1833	rBV2	2606276	4113026	12.52%	1.031%
54	12.939	1838	1845	1846	rBV5	2265688	3019649	9.19%	0.757%
55	12.963	1846	1849	1852	rVB	5663492	5732276	17.45%	1.437%
56	12.998	1852	1855	1857	rBV3	505802	572592	1.74%	0.144%
57	13.027	1857	1860	1863	rBV	4518163	4324745	13.17%	1.084%
58	13.063	1863	1866	1869	rBV2	3968583	4259230	12.97%	1.068%
59	13.092	1869	1871	1874	rVB	1209514	1092086	3.33%	0.274%
60	13.121	1874	1876	1879	rVB2	769246	618909	1.88%	0.155%
61	13.157	1879	1882	1884	rBV	2658885	2216315	6.75%	0.556%
62	13.186	1884	1887	1891	rVB	2662183	2221079	6.76%	0.557%
63	13.292	1896	1905	1908	rBV2	13046191	32841052	100.00%	8.232%
64	13.345	1910	1914	1915	rBV4	475476	673571	2.05%	0.169%
65	13.368	1915	1918	1919	rBV2	657920	660653	2.01%	0.166%
66	13.474	1928	1936	1941	rBV3	1363303	3609542	10.99%	0.905%
67	13.580	1950	1954	1957	rBV2	2428421	3535981	10.77%	0.886%
68	13.610	1957	1959	1961	rVV	3264852	3017931	9.19%	0.757%
69	13.639	1961	1964	1968	rVV2	4700033	6626798	20.18%	1.661%
70	13.680	1968	1971	1977	rVB2	4879705	5599703	17.05%	1.404%
71	13.833	1990	1997	2000	rBV2	9837381	18968820	57.76%	4.755%

LSC Area Percent Report

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Instrument : BNA_F
ClientSampleId : 8-9-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
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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052919.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.868	2000	2003	2009	rVB	9565425	12119588	36.90%	3.038%
73	13.939	2012	2015	2018	rVB	2916312	2172874	6.62%	0.545%
74	14.010	2025	2027	2030	rVB2	1590754	1387887	4.23%	0.348%
75	14.045	2030	2033	2037	rBV2	1751386	2211070	6.73%	0.554%
76	14.145	2047	2050	2053	rBV4	762073	810533	2.47%	0.203%
77	14.174	2053	2055	2057	rVV	1204178	1126113	3.43%	0.282%
78	14.215	2057	2062	2064	rVV	3779903	4555082	13.87%	1.142%
79	14.245	2064	2067	2070	rVB	2415234	2107392	6.42%	0.528%
80	14.304	2071	2077	2080	rVV3	2220029	3326341	10.13%	0.834%
81	14.333	2080	2082	2084	rVV	1875976	1915230	5.83%	0.480%
82	14.357	2084	2086	2089	rVB	2709986	2203313	6.71%	0.552%
83	14.404	2089	2094	2100	rVB4	1410298	2318683	7.06%	0.581%
84	14.510	2109	2112	2115	rBV4	1010210	1428336	4.35%	0.358%
85	14.615	2126	2130	2135	rVB	4932336	5572647	16.97%	1.397%
86	14.845	2162	2169	2172	rBV	7798405	16641263	50.67%	4.172%
87	14.933	2180	2184	2187	rVB	3037772	3601825	10.97%	0.903%
88	15.121	2210	2216	2221	rBV2	5379900	9214170	28.06%	2.310%
89	15.186	2221	2227	2230	rVB	7331925	11181650	34.05%	2.803%
90	15.227	2230	2234	2236	rBV	1893375	2345558	7.14%	0.588%
91	15.257	2236	2239	2245	rVB2	3298694	4648772	14.16%	1.165%
92	15.551	2285	2289	2295	rVB	1336642	2102300	6.40%	0.527%
93	15.662	2305	2308	2312	rBV2	527577	782794	2.38%	0.196%
94	15.733	2318	2320	2325	rVB2	823756	870799	2.65%	0.218%
95	16.386	2426	2431	2441	rBV3	655965	1906488	5.81%	0.478%
96	16.568	2454	2462	2467	rVB2	3704452	7783291	23.70%	1.951%
97	16.715	2482	2487	2491	rBV	788148	1318318	4.01%	0.330%
98	16.768	2492	2496	2500	rVV2	576469	913311	2.78%	0.229%
99	16.968	2522	2530	2542	rVB	2754301	6380700	19.43%	1.599%
100	17.168	2558	2564	2575	rVB2	1002983	2501154	7.62%	0.627%

Sum of corrected areas: 398926606

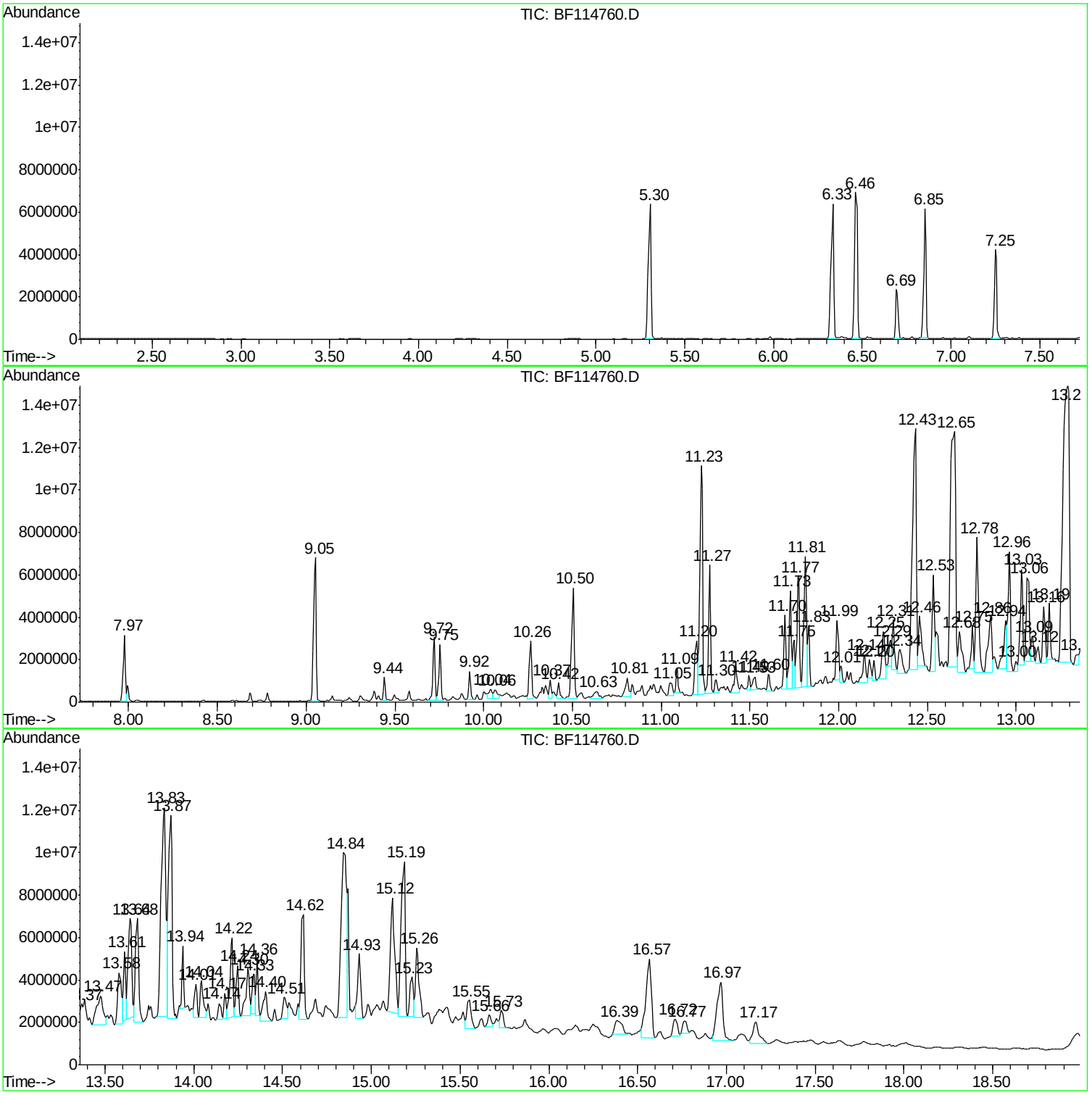
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060119\
Data File : BF114760.D
Acq On : 1 Jun 2019 16:39
Operator : HP/JU
Sample : K3105-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 8-9-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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060119\
Data File : BF114760.D
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Sample : K3105-07
Misc :
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Instrument : BNA_F
ClientSampleId : 8-9-TRACK

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

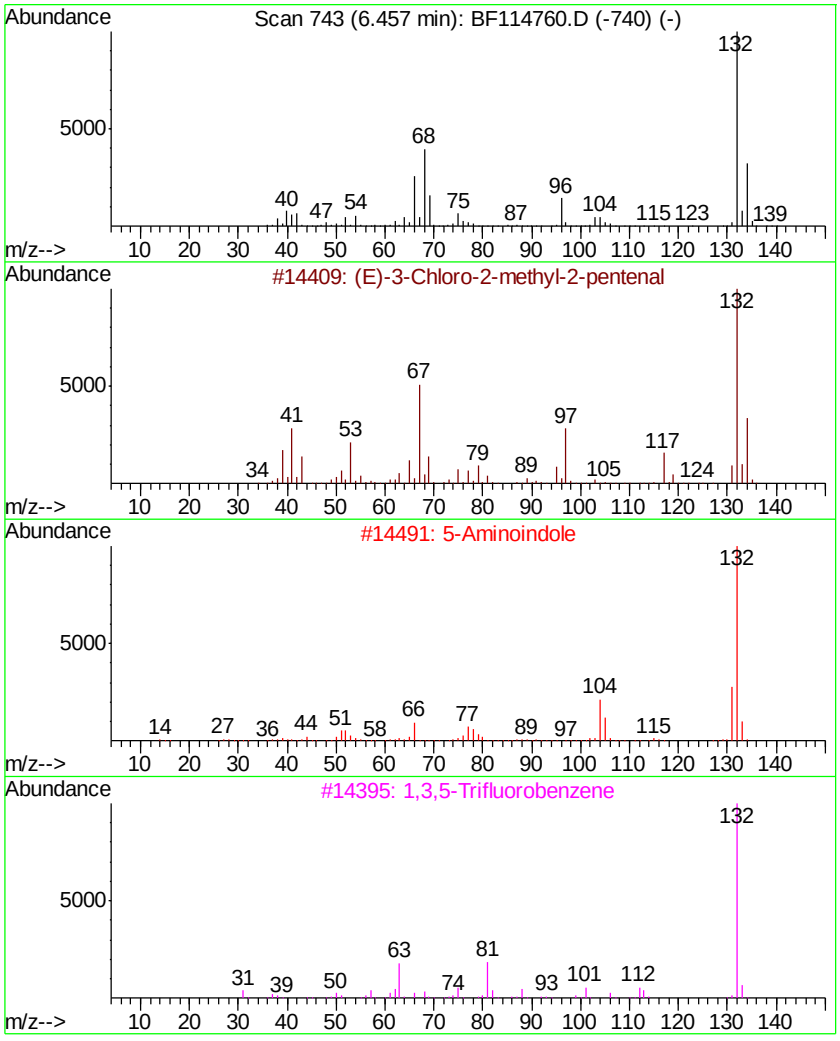
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

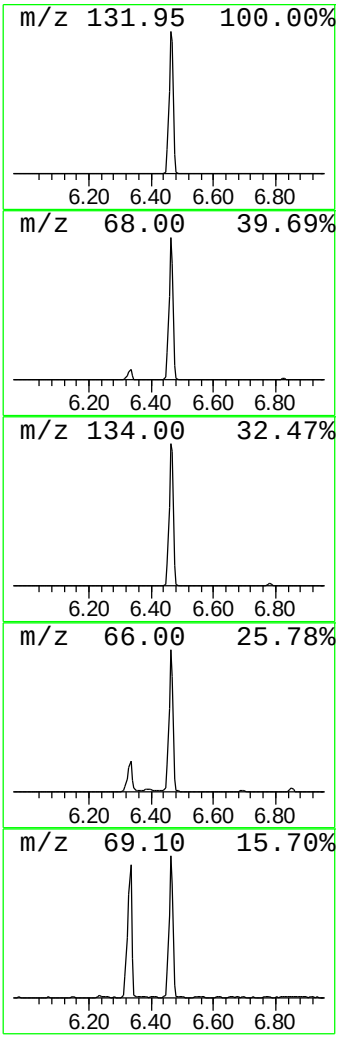
****

Peak Number 1 unknown6.46 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.46	66.21 ng	6761480	1,4-Dichlorobenzene-d4	6.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060119\
Data File : BF114760.D
Acq On : 1 Jun 2019 16:39
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Sample : K3105-07
Misc :
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Instrument : BNA_F
ClientSampleId : 8-9-TRACK

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

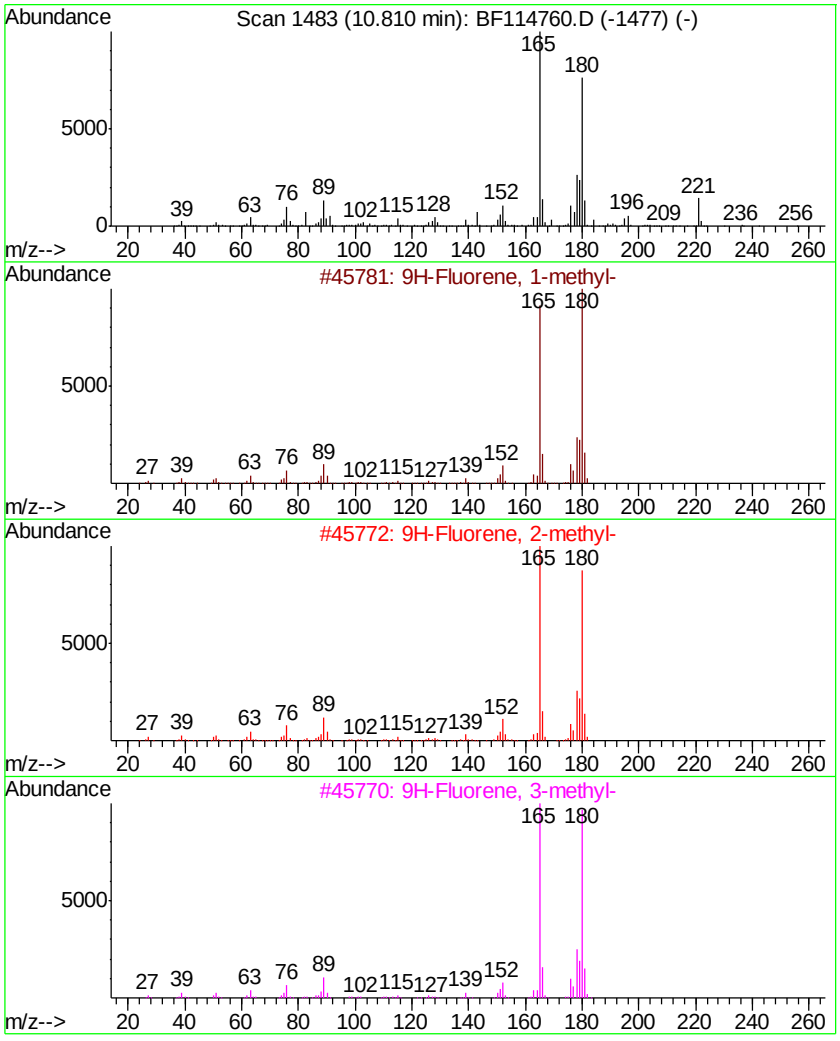
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

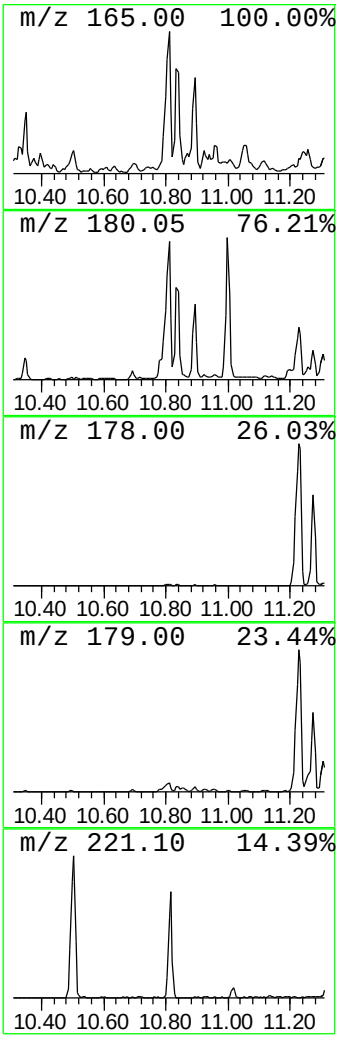
****

Peak Number 3 9H-Fluorene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.81	9.57 ng	1206700	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	97
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	89





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060119\
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Instrument : BNA_F
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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
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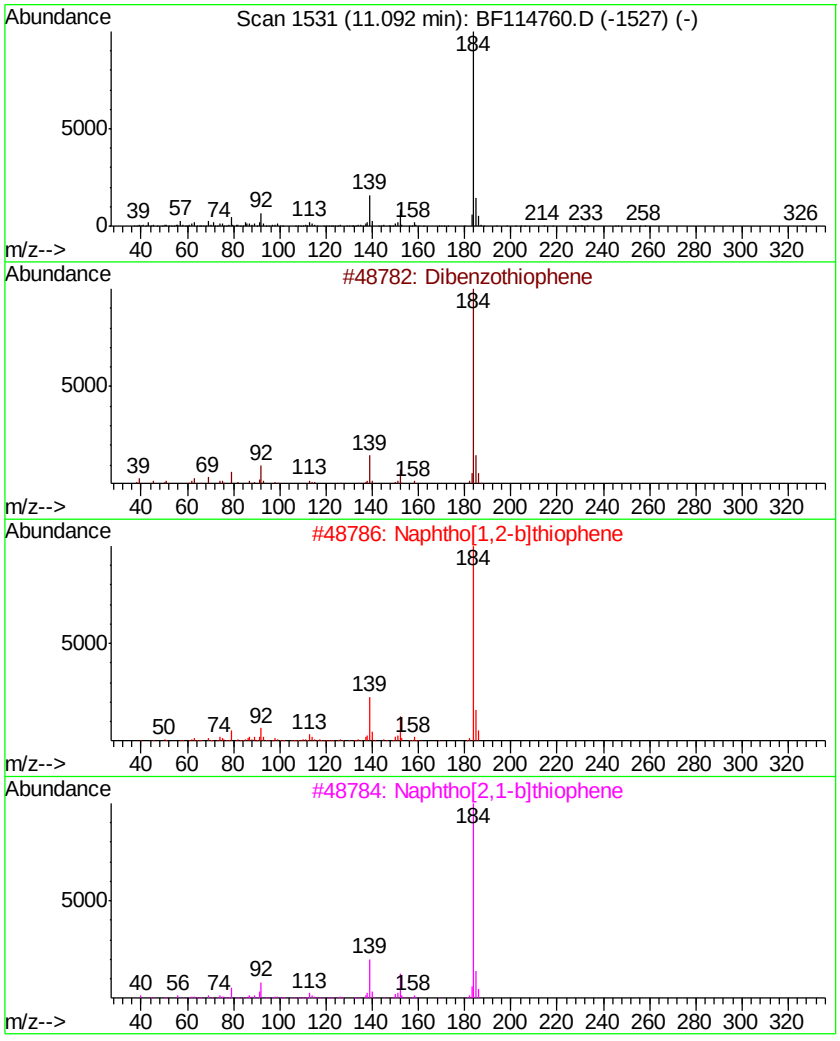
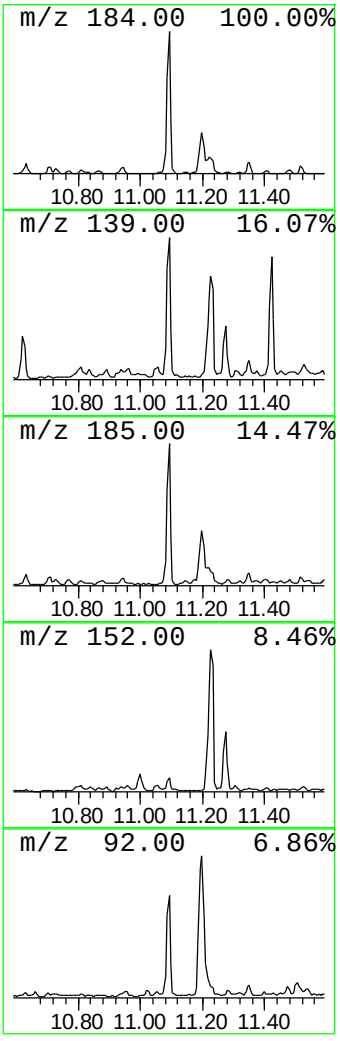
****

Peak Number 4 Dibenzothiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.09	7.50 ng	945972	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	91





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

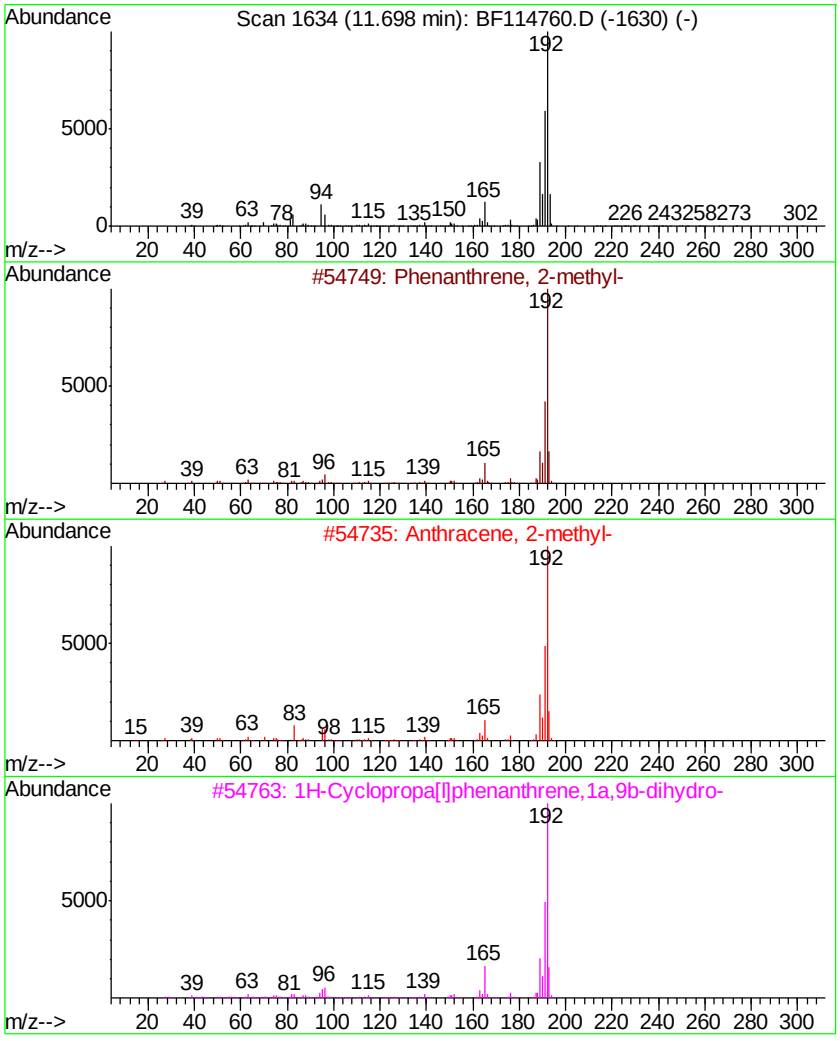
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

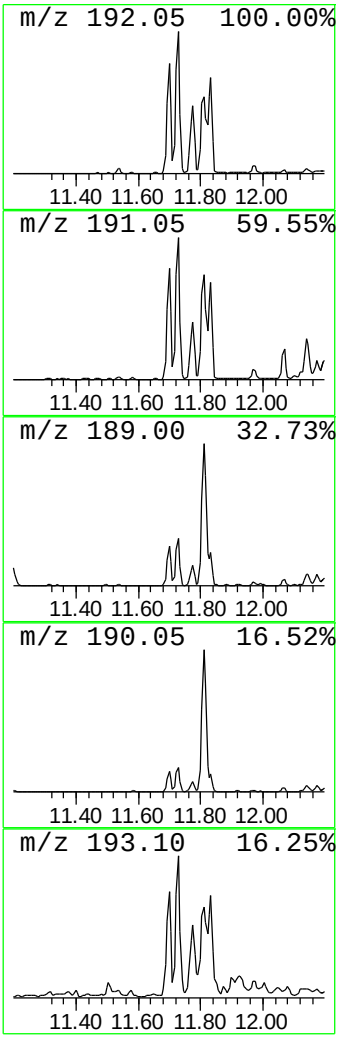
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	25.52 ng	3217770	Phenanthrene-d10	11.20

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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060119\
Data File : BF114760.D
Acq On : 1 Jun 2019 16:39
Operator : HP/JU
Sample : K3105-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 8-9-TRACK

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

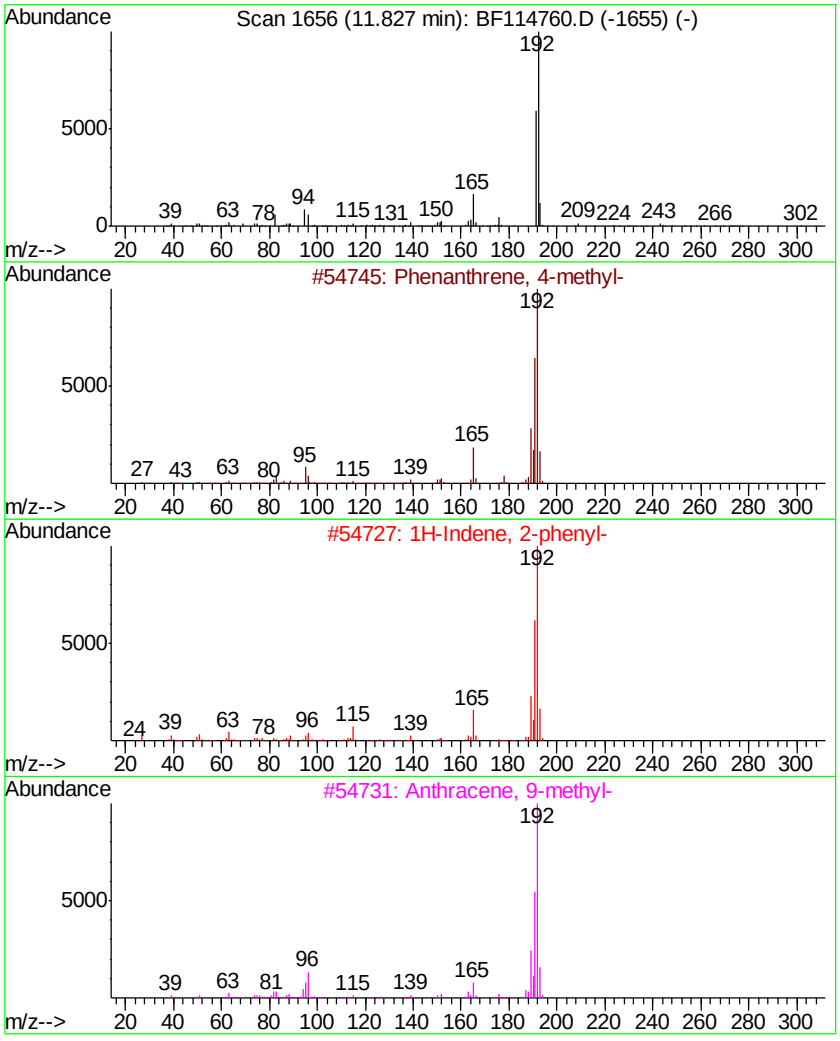
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

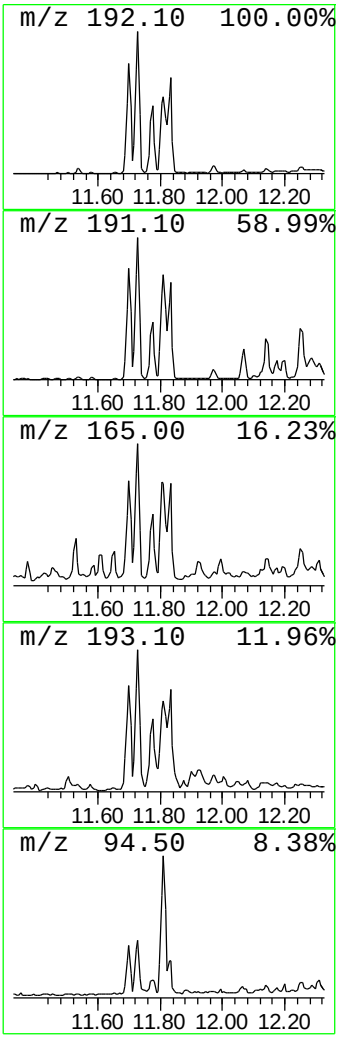
****

Peak Number 6 Phenanthrene, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	17.49 ng	2205210	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87





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Sample : K3105-07
Misc :
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ClientSampleId : 8-9-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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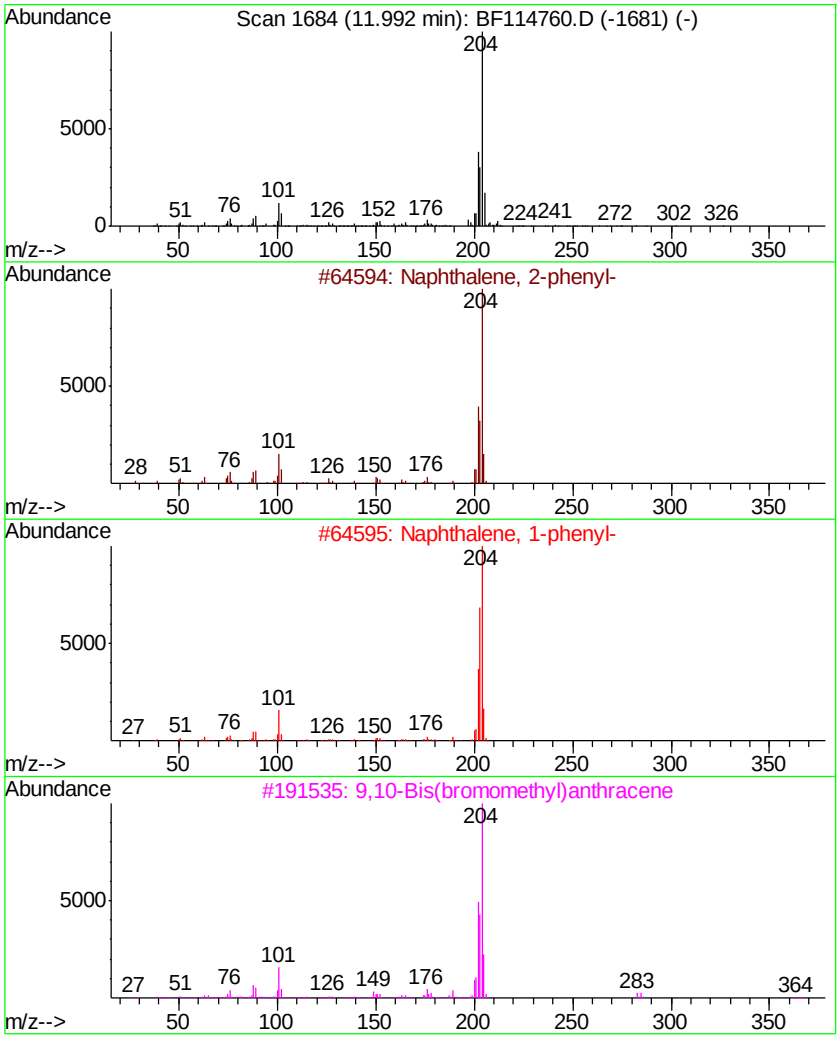
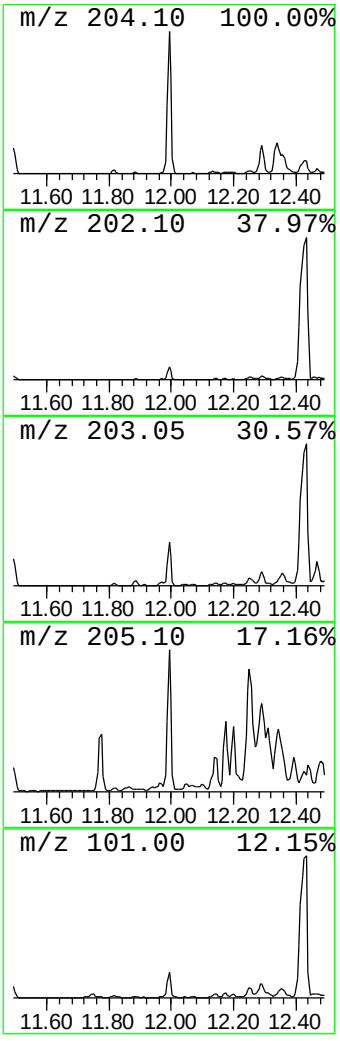
Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	18.04 ng	2274240	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	53
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	53





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

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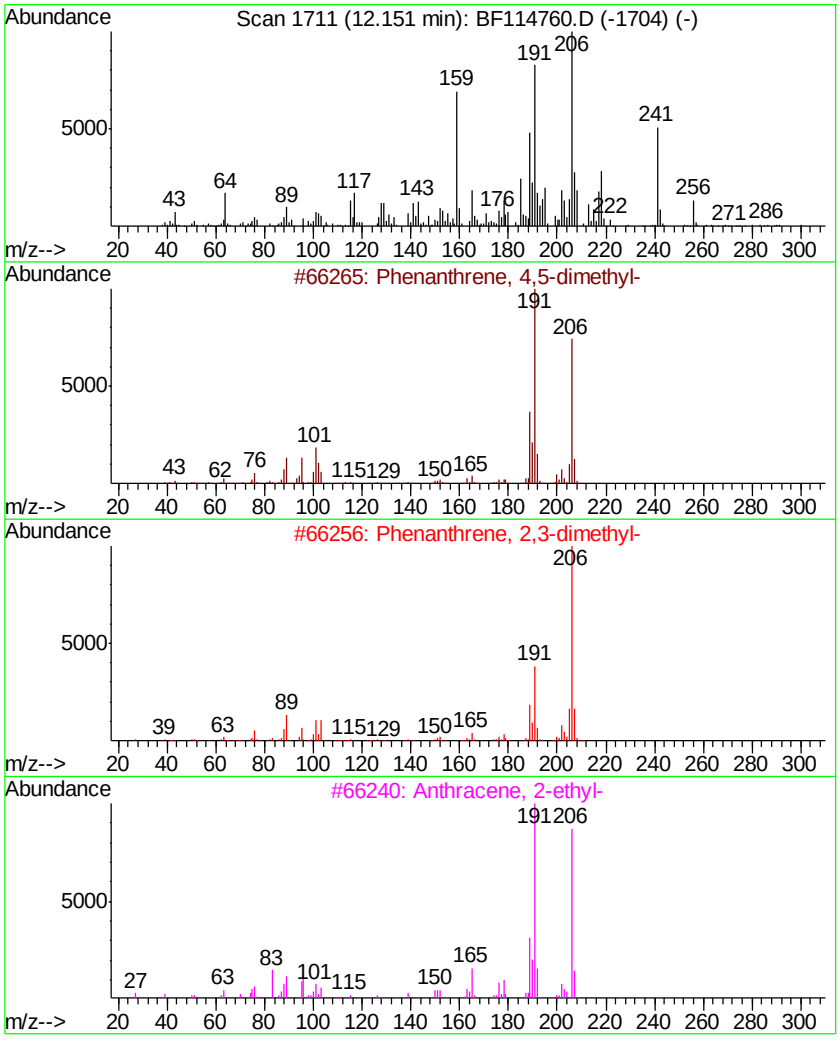
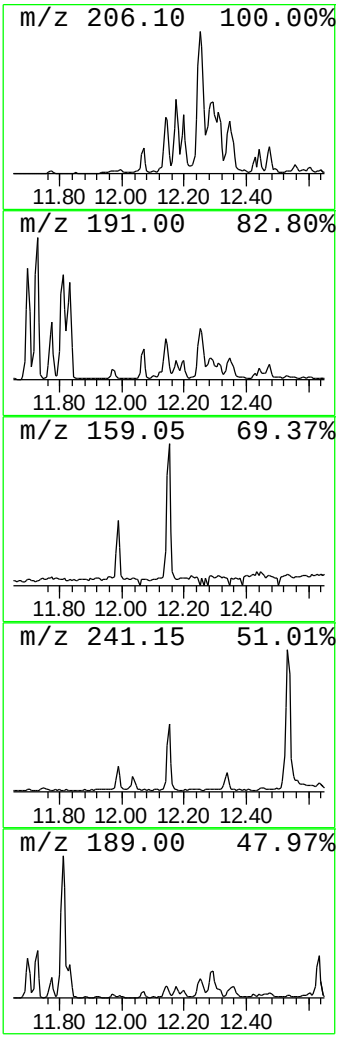
Peak Number 8 Phenanthrene, 4,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	13.38 ng	1686460	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
3	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	90
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	81
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	72





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

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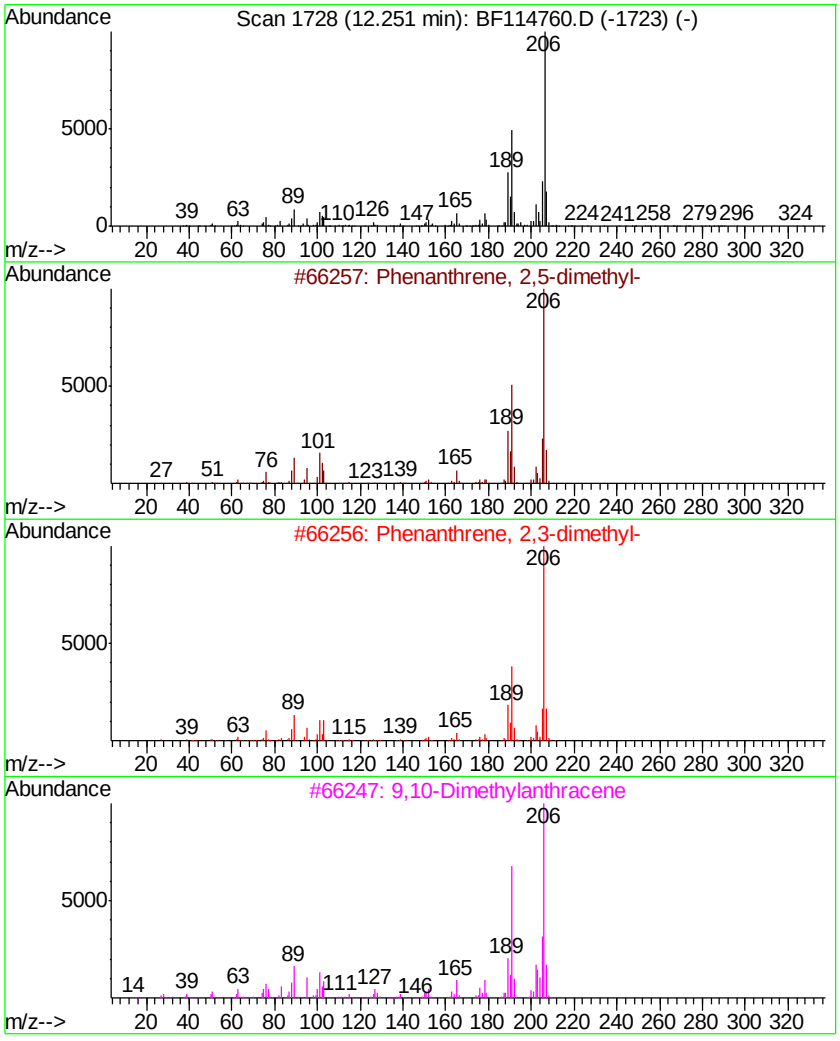
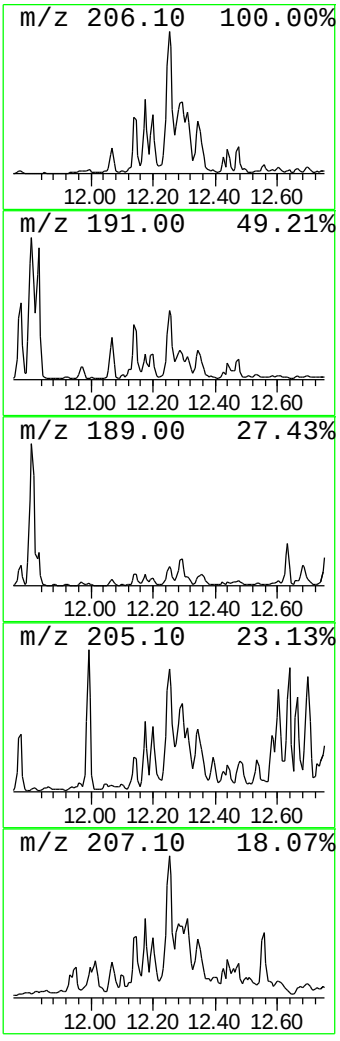
Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	24.46 ng	3084060	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	89





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TIC Integration Parameters: LSCINT.P

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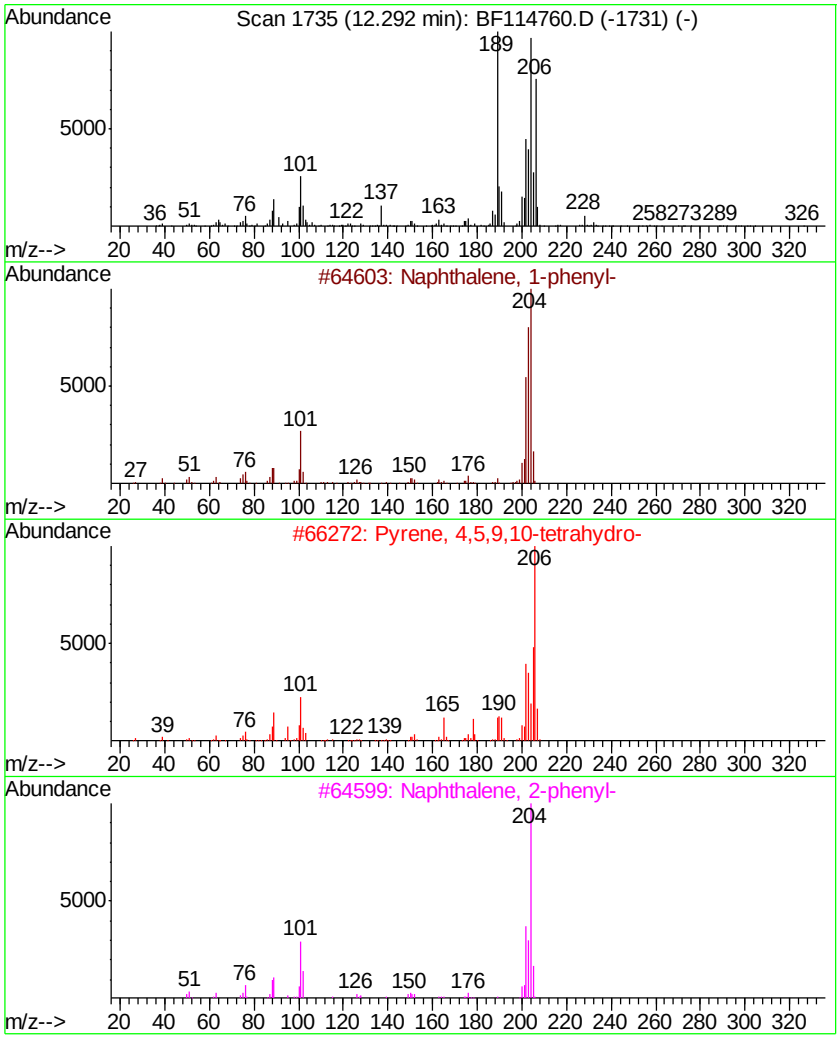
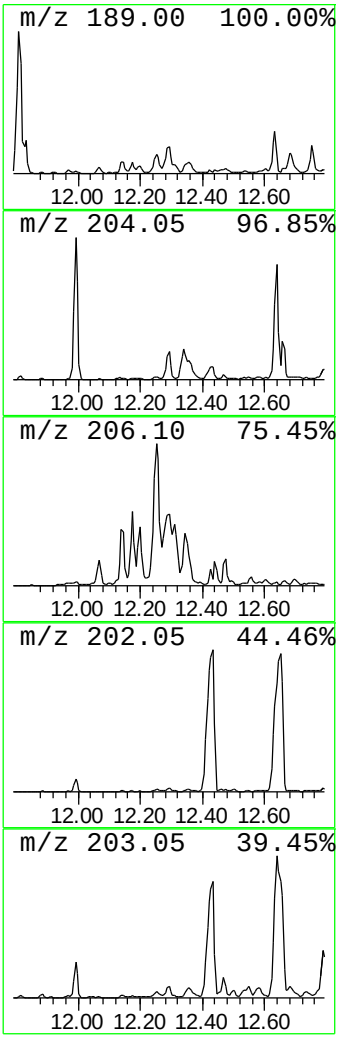
Peak Number 10 unknown12.29 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	10.96 ng	1381390	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	47
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
4	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	35
5	5-Methyl-2-(p-tolylimino)-1,3-th...	206	C11H14N2S	070446-87-6	25





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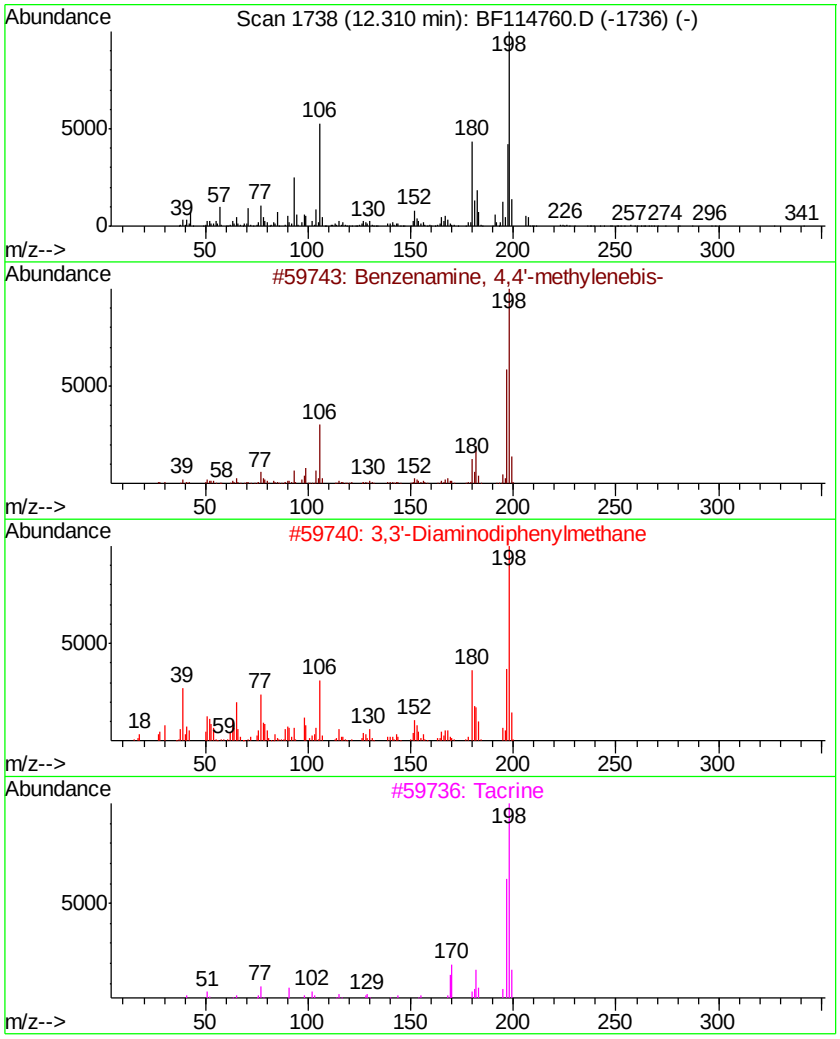
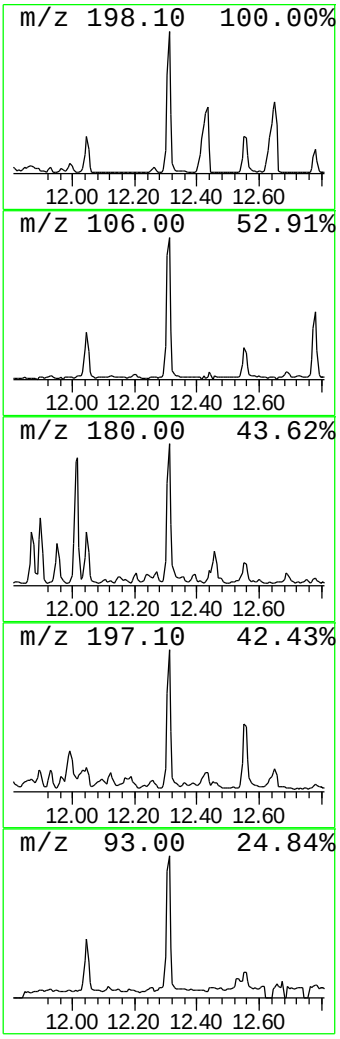
Peak Number 11 Benzenamine, 4,4'-methylene... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.31	14.32 ng	1805420	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	76
2	3,3'-Diaminodiphenylmethane	198	C13H14N2	019471-12-6	49
3	Tacrine	198	C13H14N2	000321-64-2	47
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	46
5	1,2,3,4-Tetrahydrophenanthren-9-ol	198	C14H14O	019817-12-0	43





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TIC Library : C:\DATABASE\NIST11.L
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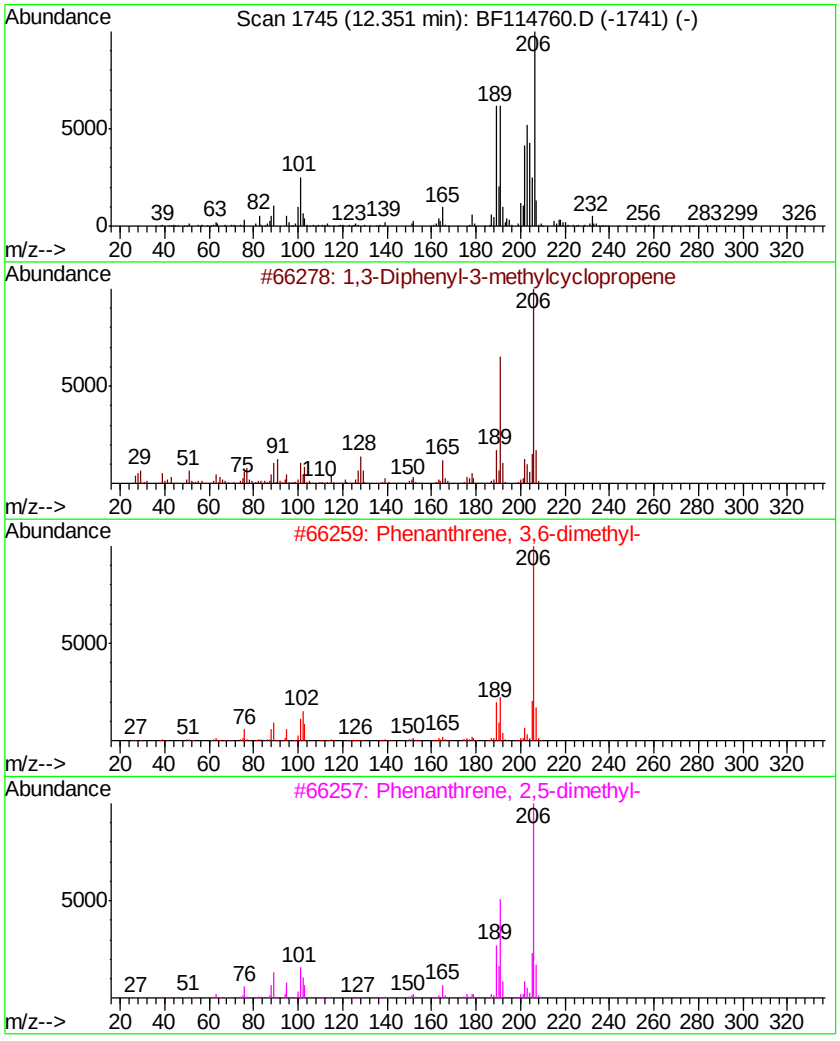
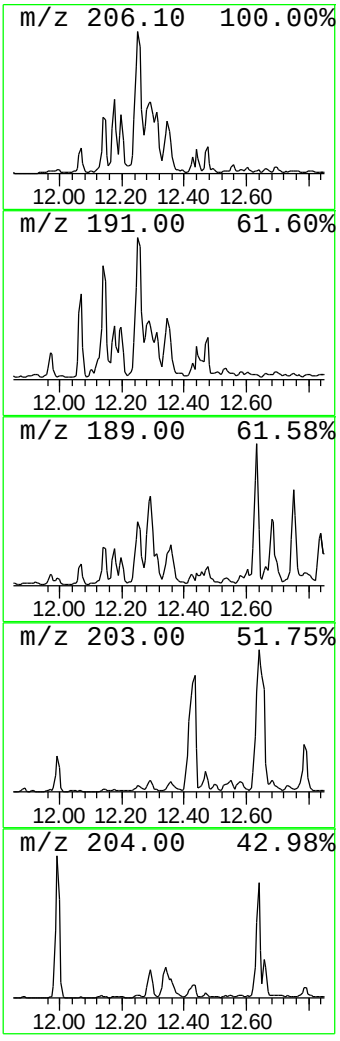
Peak Number 12 1,3-Diphenyl-3-methylcyclop... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	14.09 ng	1776010	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	86
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	86
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	86
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	86
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86





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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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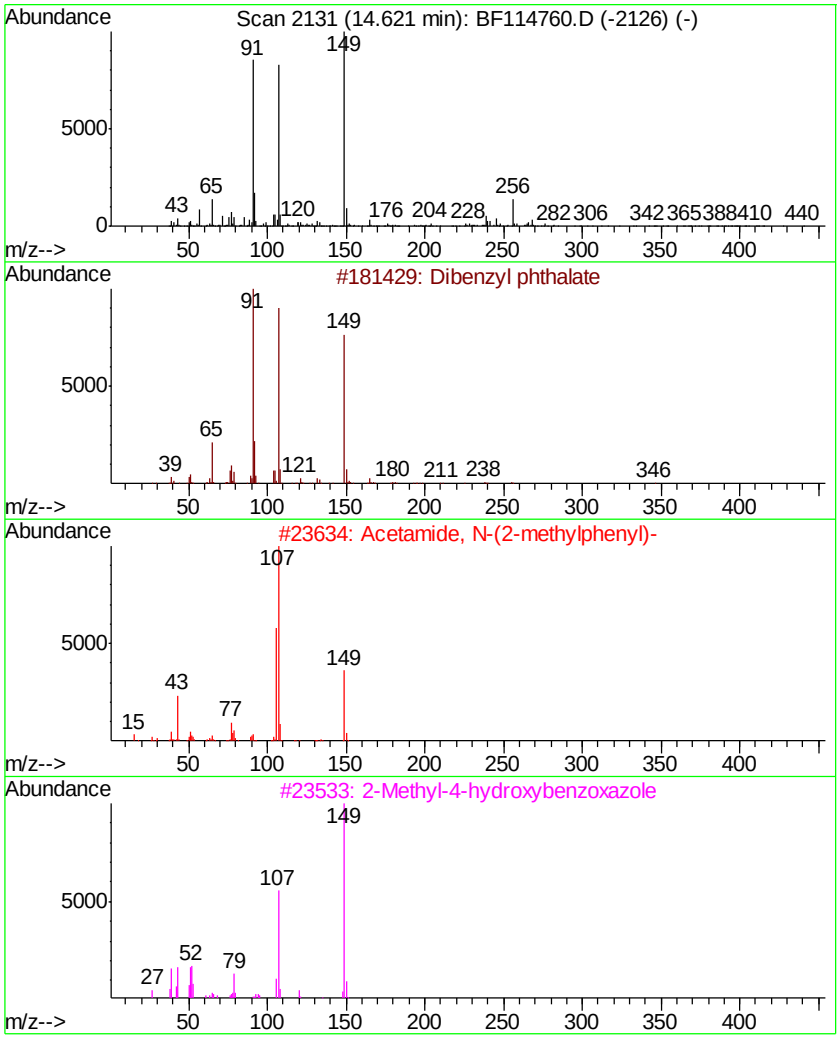
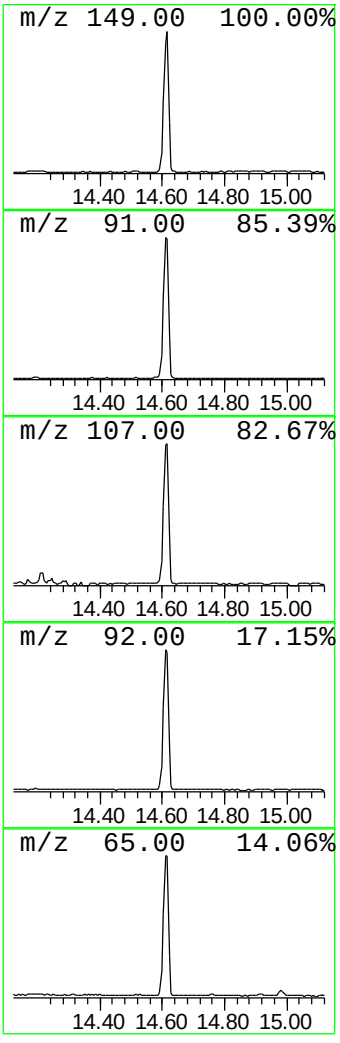
Peak Number 13 Dibenzyl phthalate Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.62	47.52 ng	5572650	Perylene-d12	15.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzyl phthalate	346	C22H18O4	000523-31-9	81
2	Acetamide, N-(2-methylphenyl)-	149	C9H11NO	000120-66-1	59
3	2-Methyl-4-hydroxybenzoxazole	149	C8H7NO2	051110-60-2	43
4	1,2-Benzenedicarboxylic acid, bi...	250	C14H18O4	000605-45-8	38
5	2-(1-Benzyloxy-2-bromoethyl)oxirane	256	C11H13BrO2	101514-16-3	35





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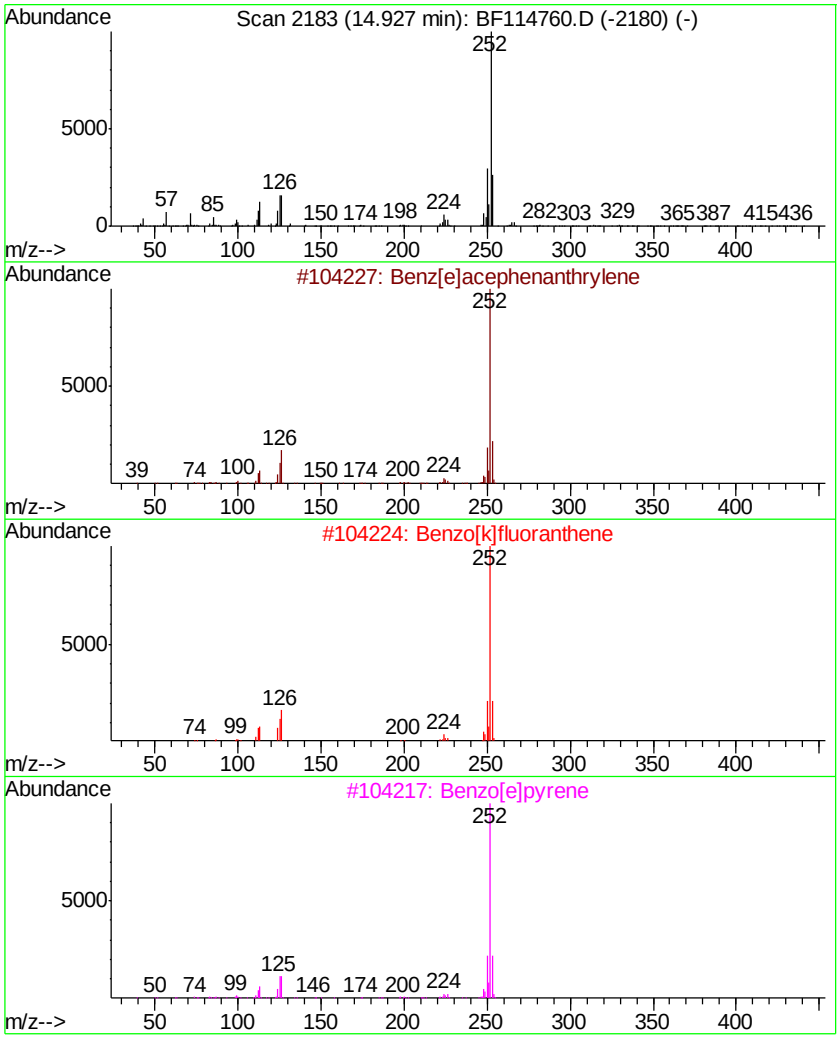
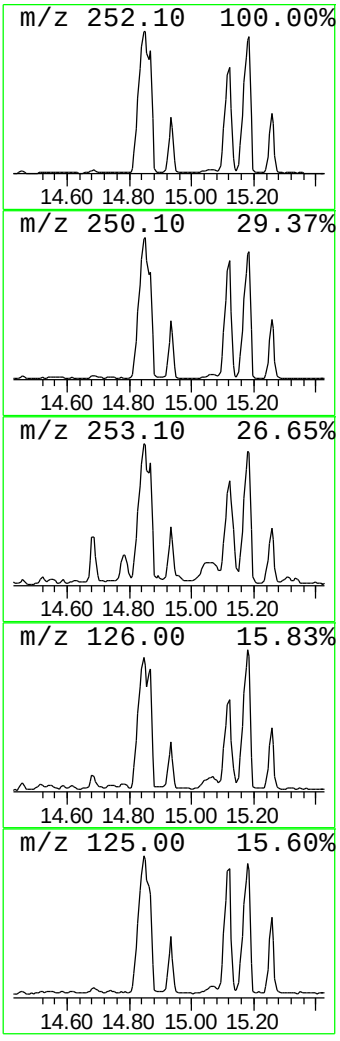
Peak Number 14 Perylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.93	30.71 ng	3601830	Perylene-d12	15.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	97
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benzo[e]pyrene	252	C20H12	000192-97-2	96
4	Benzo[a]pyrene	252	C20H12	000050-32-8	95
5	Perylene	252	C20H12	000198-55-0	81





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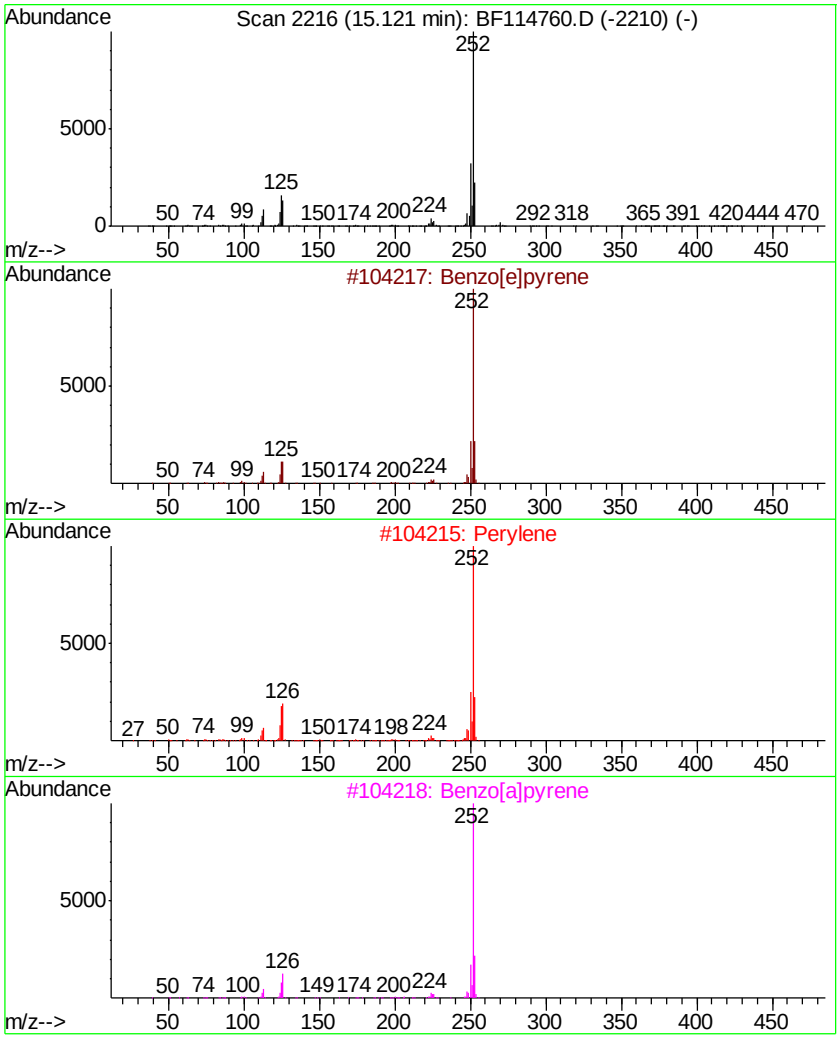
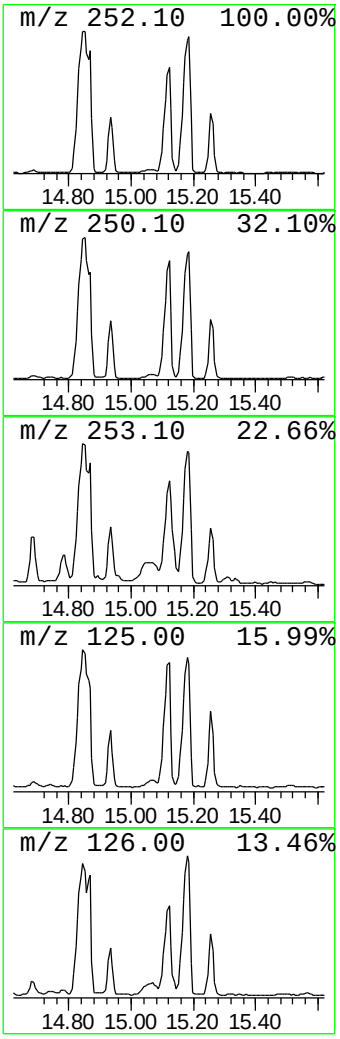
Peak Number 15 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.12	78.57 ng	9214170	Perylene-d12	15.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Perylene	252	C20H12	000198-55-0	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	97
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93





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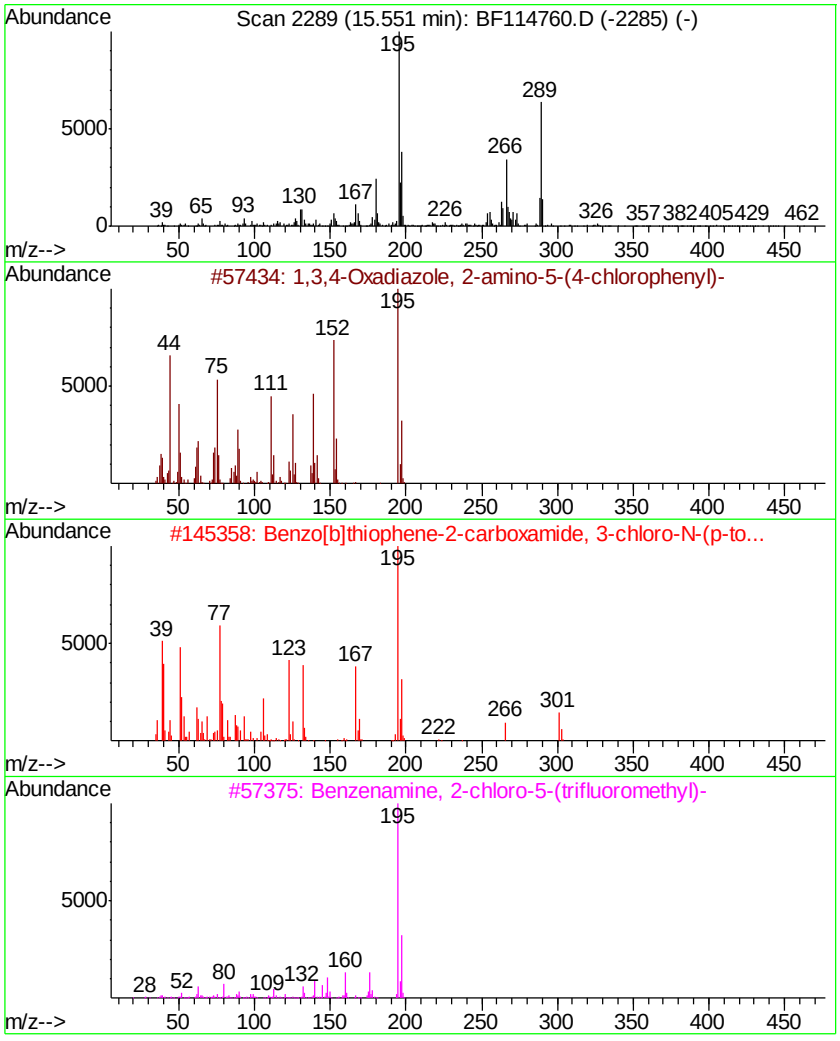
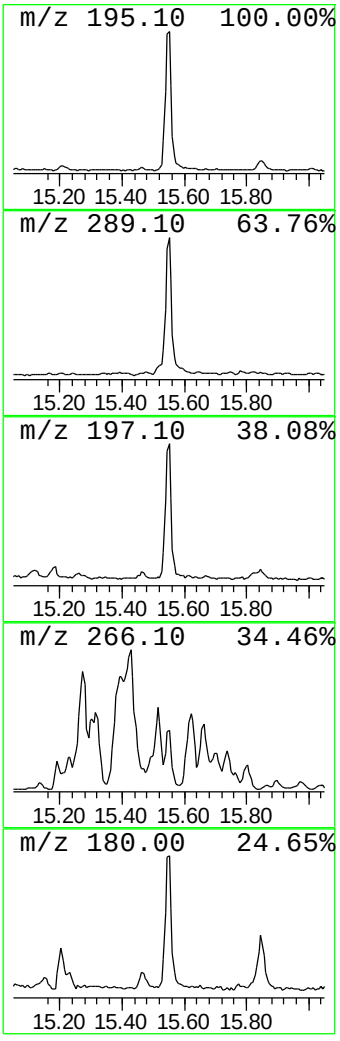
Peak Number 16 unknown15.55 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	17.93 ng	2102300	Perylene-d12	15.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,4-Oxadiazole, 2-amino-5-(4-c...	195	C8H6ClN3O	033621-61-3	43
2	Benzo[b]thiophene-2-carboxamide,...	301	C16H12ClNOS	070453-69-9	38
3	Benzenamine, 2-chloro-5-(trifluo...	195	C7H5ClF3N	000121-50-6	35
4	2,4-Dimethoxyphenyl isothiocyanate	195	C9H9NO2S	033904-03-9	30
5	3-Acridinol	195	C13H9NO	007132-70-9	27





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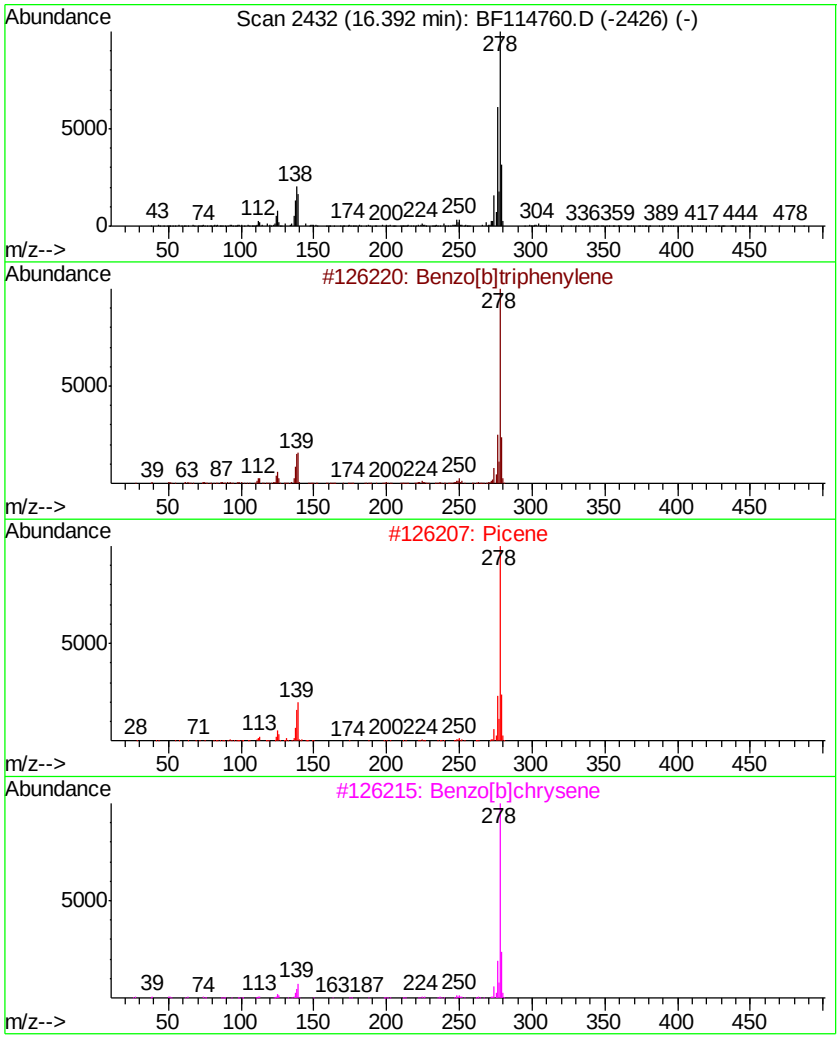
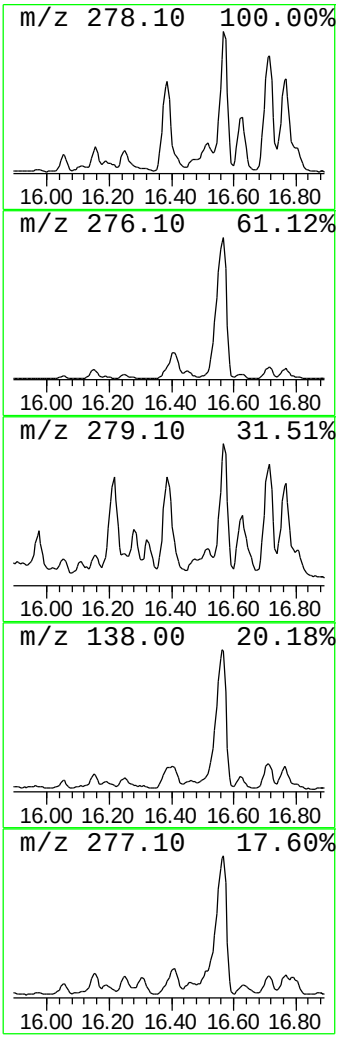
Peak Number 17 Benzo[b]triphenylene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.39	16.26 ng	1906490	Perylene-d12	15.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	94
2	Picene	278	C22H14	000213-46-7	92
3	Benzo[b]chrysene	278	C22H14	000214-17-5	90
4	Pentaphene	278	C22H14	000222-93-5	90
5	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	89





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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 8-9-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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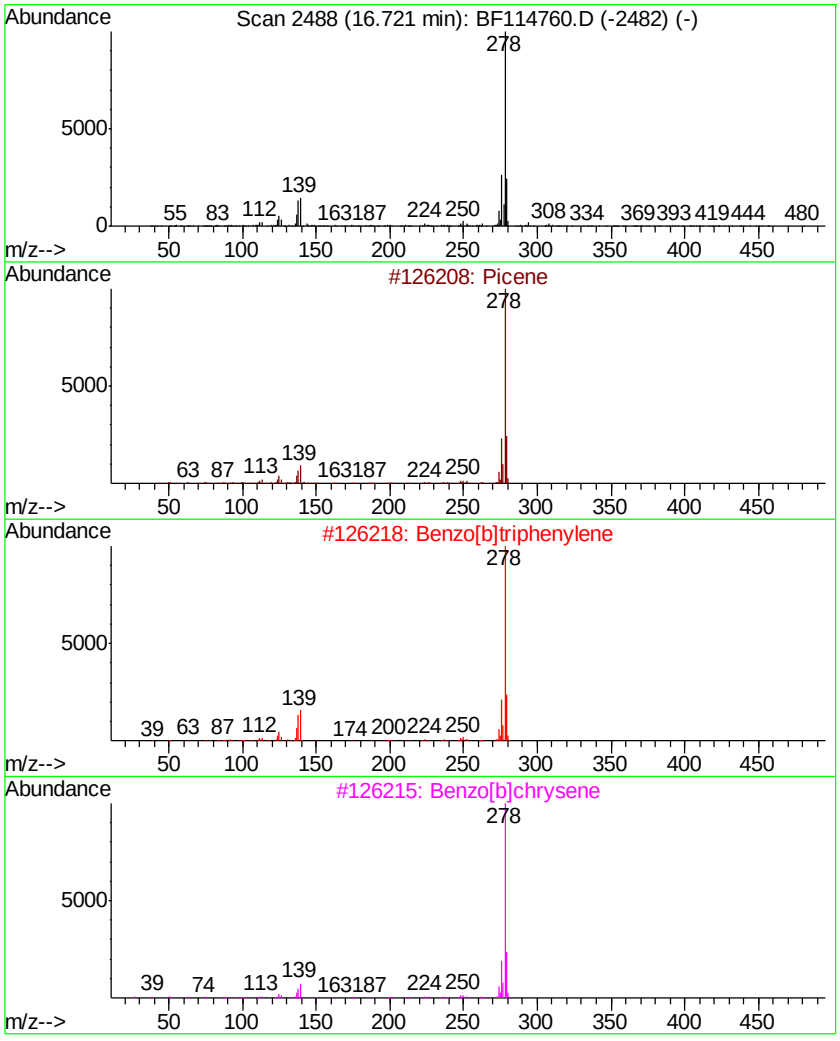
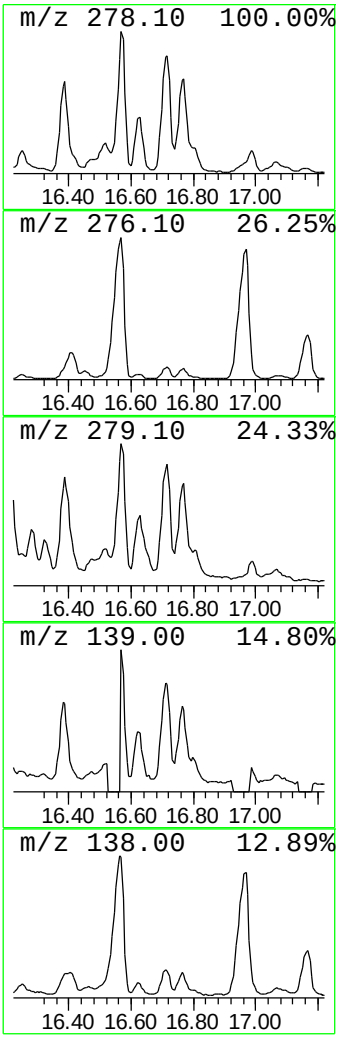
Peak Number 18 Picene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.72	11.24 ng	1318320	Perylene-d12	15.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	99
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	99
3	Benzo[b]chrysene	278	C22H14	000214-17-5	98
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	98
5	Benzo[a]naphthacene	278	C22H14	000226-88-0	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060119\
Data File : BF114760.D
Acq On : 1 Jun 2019 16:39
Operator : HP/JU
Sample : K3105-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 8-9-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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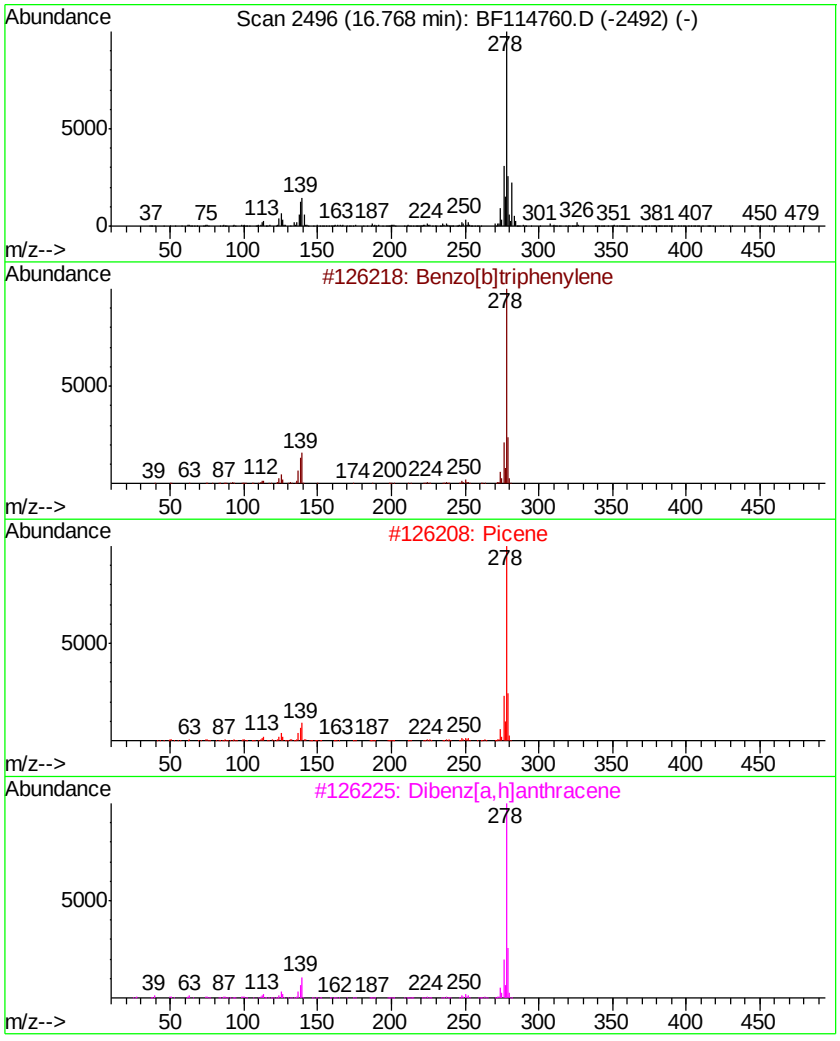
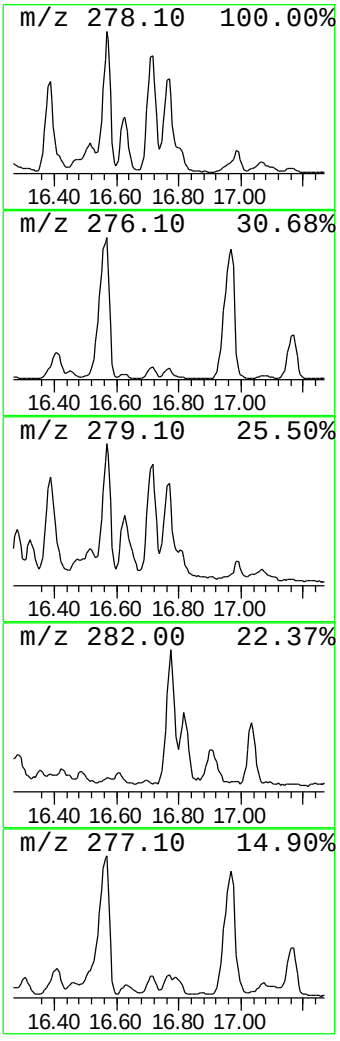
Peak Number 19 Benzo[b]chrysene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	7.79 ng	913311	Perylene-d12	15.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	97
2	Picene	278	C22H14	000213-46-7	97
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	96
4	Benzo[a]naphthacene	278	C22H14	000226-88-0	96
5	Benzo[b]chrysene	278	C22H14	000214-17-5	96





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060119\
Data File : BF114760.D
Acq On : 1 Jun 2019 16:39
Operator : HP/JU
Sample : K3105-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 8-9-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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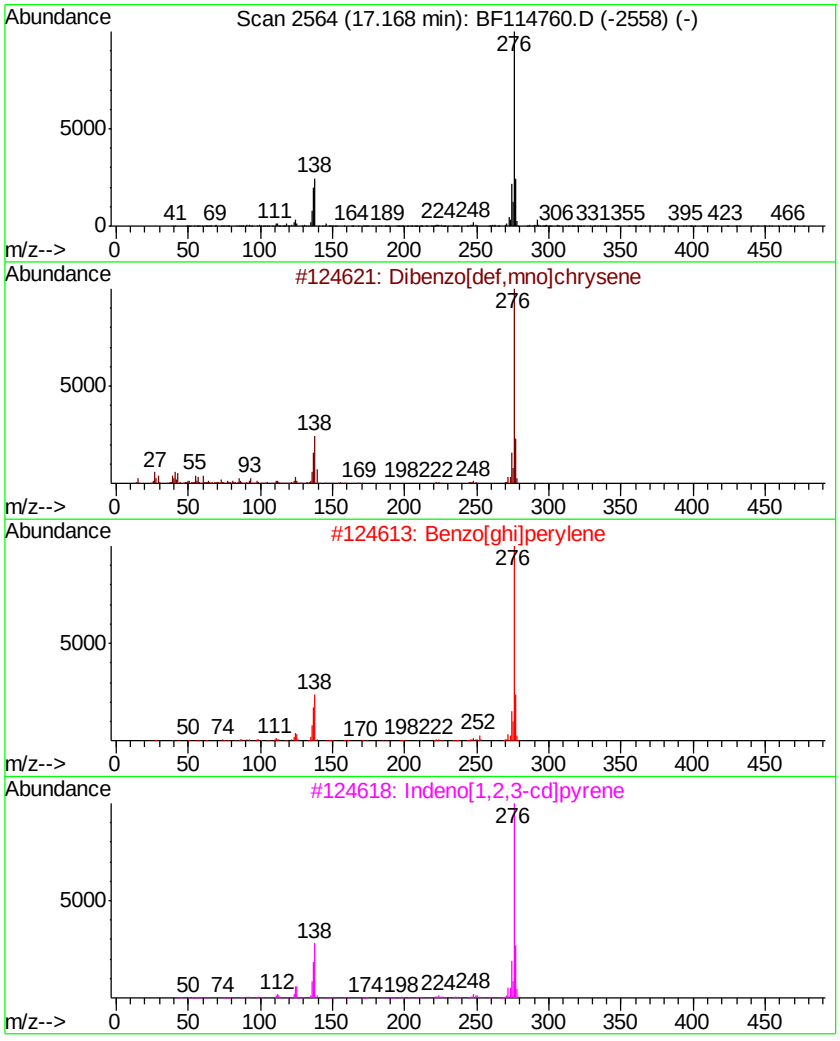
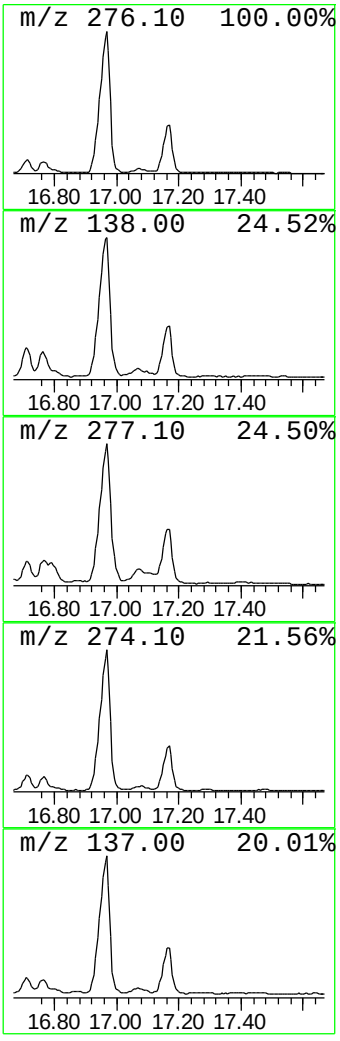
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.17	21.33 ng	2501150	Perylene-d12	15.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	97
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	95
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	74
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	64
5	Phosphoric acid, 4-methoxy-2-(me...	276	C11H17O6P	094420-71-0	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF060119\
Data File : BF114760.D
Acq On : 1 Jun 2019 16:39
Operator : HP/JU
Sample : K3105-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 8-9-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	66.2	ng	6761480	1	6.69	2042410	20.0
9H-Fluorene, 1-me...	10.81	9.6	ng	1206700	4	11.20	2521690	20.0
Dibenzothiophene	11.09	7.5	ng	945972	4	11.20	2521690	20.0
Phenanthrene, 2-m...	11.70	25.5	ng	3217770	4	11.20	2521690	20.0
Phenanthrene, 4-m...	11.83	17.5	ng	2205210	4	11.20	2521690	20.0
Naphthalene, 2-ph...	11.99	18.0	ng	2274240	4	11.20	2521690	20.0
Phenanthrene, 4,5...	12.15	13.4	ng	1686460	4	11.20	2521690	20.0
Phenanthrene, 2,5...	12.25	24.5	ng	3084060	4	11.20	2521690	20.0
unknown12.29	12.29	11.0	ng	1381390	4	11.20	2521690	20.0
Benzenamine, 4,4'...	12.31	14.3	ng	1805420	4	11.20	2521690	20.0
1,3-Diphenyl-3-me...	12.35	14.1	ng	1776010	4	11.20	2521690	20.0
Dibenzyl phthalate	14.62	47.5	ng	5572650	6	15.23	2345560	20.0
Perylene	14.93	30.7	ng	3601830	6	15.23	2345560	20.0
Benzo[e]pyrene	15.12	78.6	ng	9214170	6	15.23	2345560	20.0
unknown15.55	15.55	17.9	ng	2102300	6	15.23	2345560	20.0
Benzo[b]triphenylene	16.39	16.3	ng	1906490	6	15.23	2345560	20.0
Picene	16.72	11.2	ng	1318320	6	15.23	2345560	20.0
Benzo[b]chrysene	16.77	7.8	ng	913311	6	15.23	2345560	20.0
Dibenzo[def,mno]c...	17.17	21.3	ng	2501150	6	15.23	2345560	20.0