LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051419\
Data File : BF114264.D
Acq On : 14 May 2019 20:11
Operator : JU/SJ
Sample : K2767-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS012-0002-01

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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	5.493	575	579	592	rBV	2145532	2272976	26.39%	1.787%
2	6.504	747	751	766	rBV	2401537	2476222	28.75%	1.947%
3	6.634	769	773	779	rVV	2482644	2411552	28.00%	1.896%
4	6.851	807	810	818	rBV	1487574	1381950	16.05%	1.087%
5	7.010	833	837	845	rBV	2253476	1864085	21.64%	1.466%
6	7.410	902	905	910	rBV	1521257	1510850	17.54%	1.188%
7	8.134	1025	1028	1030	rBV	1890896	1589876	18.46%	1.250%
8	8.157	1030	1032	1037	rVB	741850	567026	6.58%	0.446%
9	8.851	1147	1150	1157	rVB	424449	422827	4.91%	0.332%
10	8.945	1163	1166	1170	rBV	314973	271786	3.16%	0.214%
11	9.204	1207	1210	1221	rVB	2309986	2079696	24.15%	1.635%
12	9.545	1265	1268	1271	rBV	246062	260591	3.03%	0.205%
13	9.598	1275	1277	1285	rVB2	412853	639513	7.43%	0.503%
14	9.751	1299	1303	1307	rBV	1334472	1151098	13.37%	0.905%
15	9.892	1324	1327	1330	rVV	1841537	1733134	20.12%	1.363%
16	10.451	1417	1422	1426	rVB3	166924	289286	3.36%	0.227%
17	10.681	1458	1461	1471	rVB	1351498	1300457	15.10%	1.023%
18	10.804	1477	1482	1487	rVB2	350513	502808	5.84%	0.395%
19	11.180	1543	1546	1550	rVB	385579	320989	3.73%	0.252%
20	11.269	1558	1561	1567	rVB	371274	406737	4.72%	0.320%
21	11.380	1576	1580	1581	rBV	1627264	1603893	18.62%	1.261%
22	11.404	1581	1584	1589	rVV	4277177	3635428	42.21%	2.858%
23	11.451	1589	1592	1595	rVB	651747	494881	5.75%	0.389%
24	11.669	1623	1629	1632	rVB3	619960	733100	8.51%	0.576%
25	11.710	1632	1636	1640	rBV2	480828	422251	4.90%	0.332%
26	11.833	1653	1657	1661	rBV2	226085	259650	3.01%	0.204%
27	11.880	1661	1665	1667	rVV	1444551	1293372	15.02%	1.017%
28	11.910	1667	1670	1673	rVV	1612608	1519999	17.65%	1.195%
29	11.992	1680	1684	1686	rVV2	1795451	1959503	22.75%	1.541%
30	12.016	1686	1688	1693	rVB	1247902	980149	11.38%	0.771%
31	12.069	1693	1697	1699	rBV2	290119	351887	4.09%	0.277%
32	12.110	1702	1704	1707	rVV	252366	243119	2.82%	0.191%
33	12.175	1711	1715	1717	rVV	1236159	1256484	14.59%	0.988%
34	12.204	1717	1720	1725	rVB2	1433092	1318988	15.31%	1.037%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051419\
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Acq On : 14 May 2019 20:11
Operator : JU/SJ
Sample : K2767-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS012-0002-01

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.322	1738	1740	1743	rVV	367358	365040	4.24%	0.287%
36	12.357	1743	1746	1748	rVV	371613	353578	4.11%	0.278%
37	12.427	1752	1758	1761	rBV	1204537	1360066	15.79%	1.069%
38	12.457	1761	1763	1767	rVV3	853921	1189358	13.81%	0.935%
39	12.486	1767	1768	1771	rVV	475701	313610	3.64%	0.247%
40	12.522	1771	1774	1778	rVV	1078216	1247108	14.48%	0.981%
41	12.598	1781	1787	1790	rVV	5100395	5025581	58.35%	3.951%
42	12.633	1790	1793	1795	rVV	366584	366802	4.26%	0.288%
43	12.657	1795	1797	1800	rVV2	329146	353748	4.11%	0.278%
44	12.686	1800	1802	1806	rVV	1232195	1150668	13.36%	0.905%
45	12.733	1806	1810	1813	rVV3	514241	819523	9.52%	0.644%
46	12.763	1813	1815	1819	rVV	477163	539010	6.26%	0.424%
47	12.833	1821	1827	1830	rVV	7159803	8612588	100.00%	6.772%
48	12.874	1831	1834	1838	rVB4	304042	411927	4.78%	0.324%
49	12.957	1845	1848	1850	rVV	1841681	1556822	18.08%	1.224%
50	12.980	1850	1852	1856	rVB2	353388	322029	3.74%	0.253%
51	13.039	1858	1862	1869	rBV2	1051587	1670926	19.40%	1.314%
52	13.098	1869	1872	1874	rVV2	265774	298354	3.46%	0.235%
53	13.127	1874	1877	1879	rVV3	1088310	1458877	16.94%	1.147%
54	13.151	1879	1881	1884	rVB	1325907	1098515	12.75%	0.864%
55	13.192	1884	1888	1890	rBV4	219790	309353	3.59%	0.243%
56	13.216	1890	1892	1896	rVV	587843	609240	7.07%	0.479%
57	13.257	1896	1899	1903	rVV	1853026	1706914	19.82%	1.342%
58	13.322	1906	1910	1912	rVV3	286011	333205	3.87%	0.262%
59	13.351	1912	1915	1917	rVV	1665343	1484765	17.24%	1.167%
60	13.380	1917	1920	1923	rVB	1563686	1298536	15.08%	1.021%
61	13.469	1931	1935	1937	rBV	241529	260596	3.03%	0.205%
62	13.663	1965	1968	1972	rVB	1116868	1153827	13.40%	0.907%
63	13.769	1980	1986	1988	rVV2	1191471	1370865	15.92%	1.078%
64	13.798	1988	1991	1993	rVV	1355316	1249183	14.50%	0.982%
65	13.827	1993	1996	1998	rVV	989536	969869	11.26%	0.763%
66	13.851	1998	2000	2001	rVV	537147	466296	5.41%	0.367%
67	13.869	2001	2003	2007	rVB	868013	862925	10.02%	0.678%
68	14.021	2024	2029	2032	rBV2	4047970	6446891	74.85%	5.069%
69	14.057	2032	2035	2037	rVV	4188024	4108861	47.71%	3.231%
70	14.074	2037	2038	2042	rVB2	338844	314249	3.65%	0.247%
71	14.110	2042	2044	2046	rBV	274697	241712	2.81%	0.190%

LSC Area Percent Report

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Acq On : 14 May 2019 20:11
Operator : JU/SJ
Sample : K2767-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS012-0002-01

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.174	2052	2055	2058	rBV	1804447	1748518	20.30%	1.375%
73	14.280	2071	2073	2076	rVB3	258896	265611	3.08%	0.209%
74	14.345	2081	2084	2087	rBV3	247272	266256	3.09%	0.209%
75	14.380	2087	2090	2092	rBV2	366285	427058	4.96%	0.336%
76	14.416	2092	2096	2099	rVV	1415171	1576314	18.30%	1.239%
77	14.451	2099	2102	2106	rVV2	798437	1081046	12.55%	0.850%
78	14.498	2106	2110	2115	rVV4	846720	1518967	17.64%	1.194%
79	14.545	2115	2118	2119	rVV2	966994	899828	10.45%	0.708%
80	14.563	2119	2121	2124	rVV2	891854	823053	9.56%	0.647%
81	14.610	2127	2129	2133	rVB	675437	663850	7.71%	0.522%
82	14.863	2169	2172	2177	rVB2	520644	653442	7.59%	0.514%
83	14.916	2177	2181	2187	rBV4	288492	518171	6.02%	0.407%
84	15.086	2204	2210	2216	rBV	2984388	6203314	72.03%	4.877%
85	15.186	2224	2227	2233	rVB	888075	1059302	12.30%	0.833%
86	15.392	2256	2262	2266	rVB	2608144	3588139	41.66%	2.821%
87	15.457	2267	2273	2276	rBV2	2977784	4311923	50.07%	3.390%
88	15.515	2276	2283	2285	rVV2	1291061	1960627	22.76%	1.542%
89	15.545	2285	2288	2294	rVB2	536123	862890	10.02%	0.678%
90	15.686	2308	2312	2314	rBV2	199081	320527	3.72%	0.252%
91	15.833	2333	2337	2340	rBV2	233907	307707	3.57%	0.242%
92	15.868	2340	2343	2350	rVB2	209159	334628	3.89%	0.263%
93	15.945	2351	2356	2361	rVB2	392998	681542	7.91%	0.536%
94	15.998	2361	2365	2367	rBV	160378	240398	2.79%	0.189%
95	16.027	2368	2370	2375	rVV2	222864	312441	3.63%	0.246%
96	16.080	2375	2379	2383	rVB2	309597	412343	4.79%	0.324%
97	16.998	2528	2535	2541	rBV	1035058	2144665	24.90%	1.686%
98	17.162	2559	2563	2568	rVB2	172087	269108	3.12%	0.212%
99	17.221	2569	2573	2581	rVB2	177253	344637	4.00%	0.271%
100	17.451	2605	2612	2626	rVB	1008954	2159806	25.08%	1.698%

Sum of corrected areas: 127183691

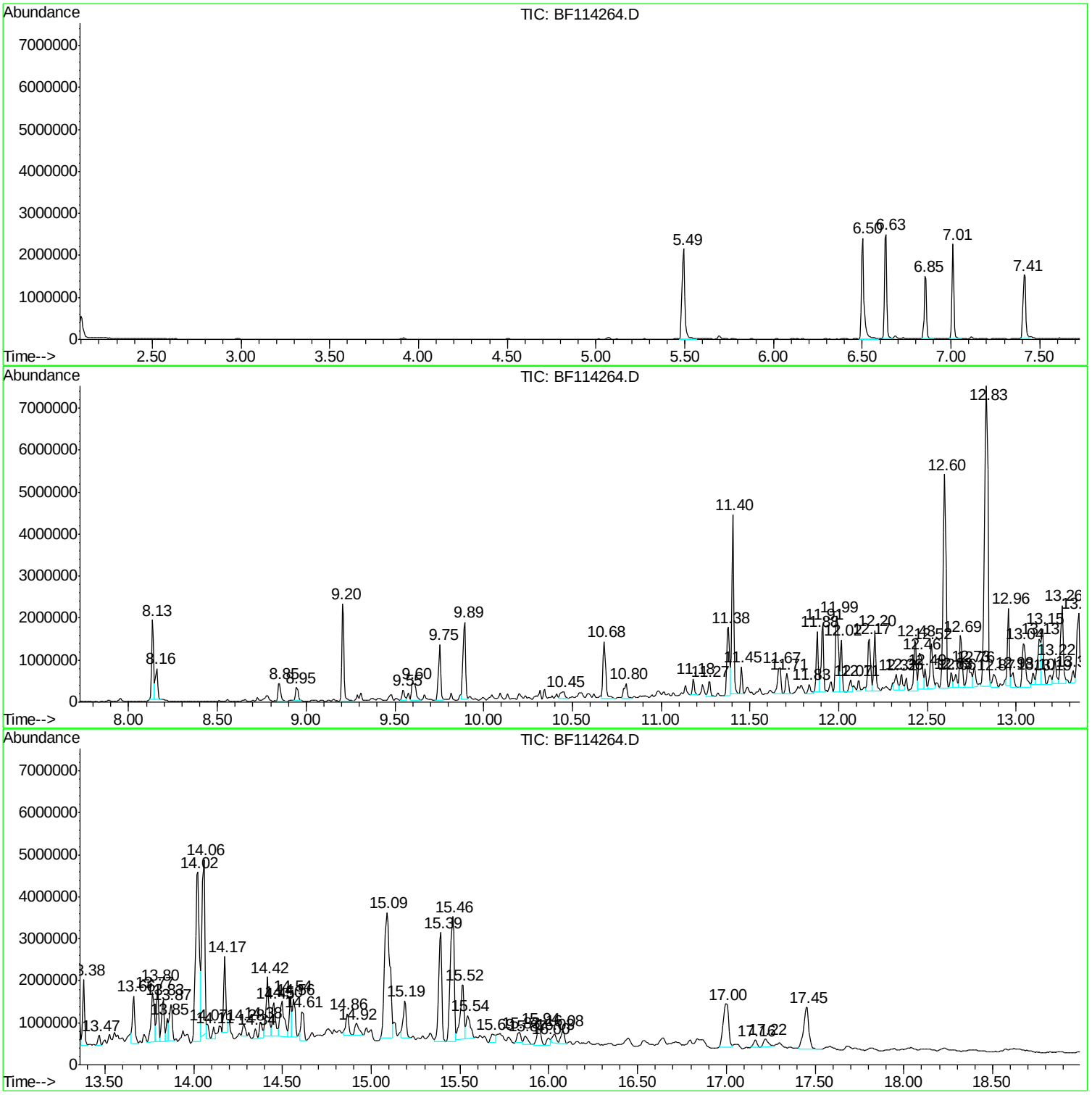
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051419\
Data File : BF114264.D
Acq On : 14 May 2019 20:11
Operator : JU/SJ
Sample : K2767-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS012-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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\BF051419\
Data File : BF114264.D
Acq On : 14 May 2019 20:11
Operator : JU/SJ
Sample : K2767-12
Misc :
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Instrument : BNA_F
ClientSampleId : P026-SS012-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

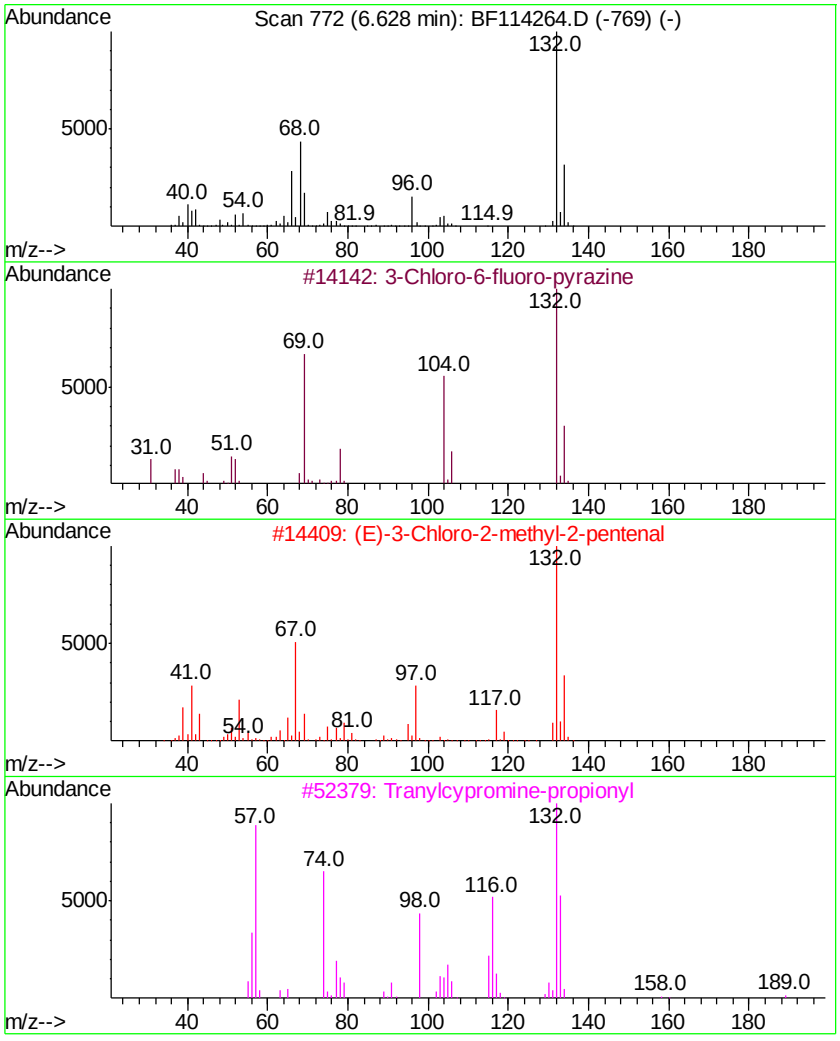
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

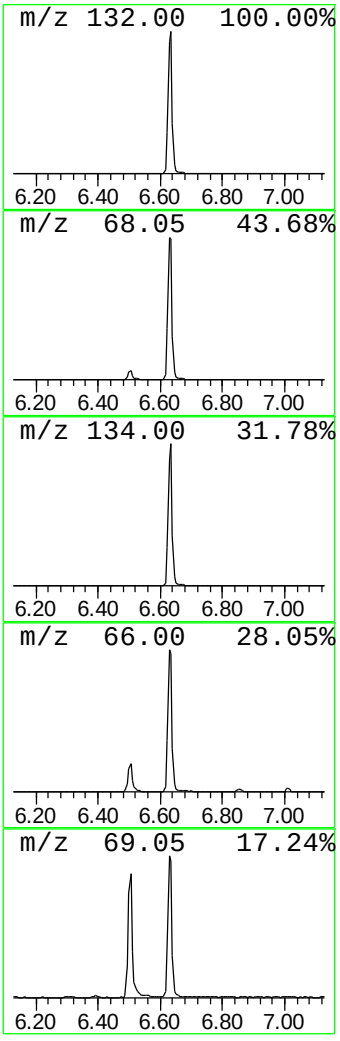
****

Peak Number 1 unknown6.63 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	34.90 ng	2411550	1,4-Dichlorobenzene-d4	6.86

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	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051419\
Data File : BF114264.D
Acq On : 14 May 2019 20:11
Operator : JU/SJ
Sample : K2767-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS012-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

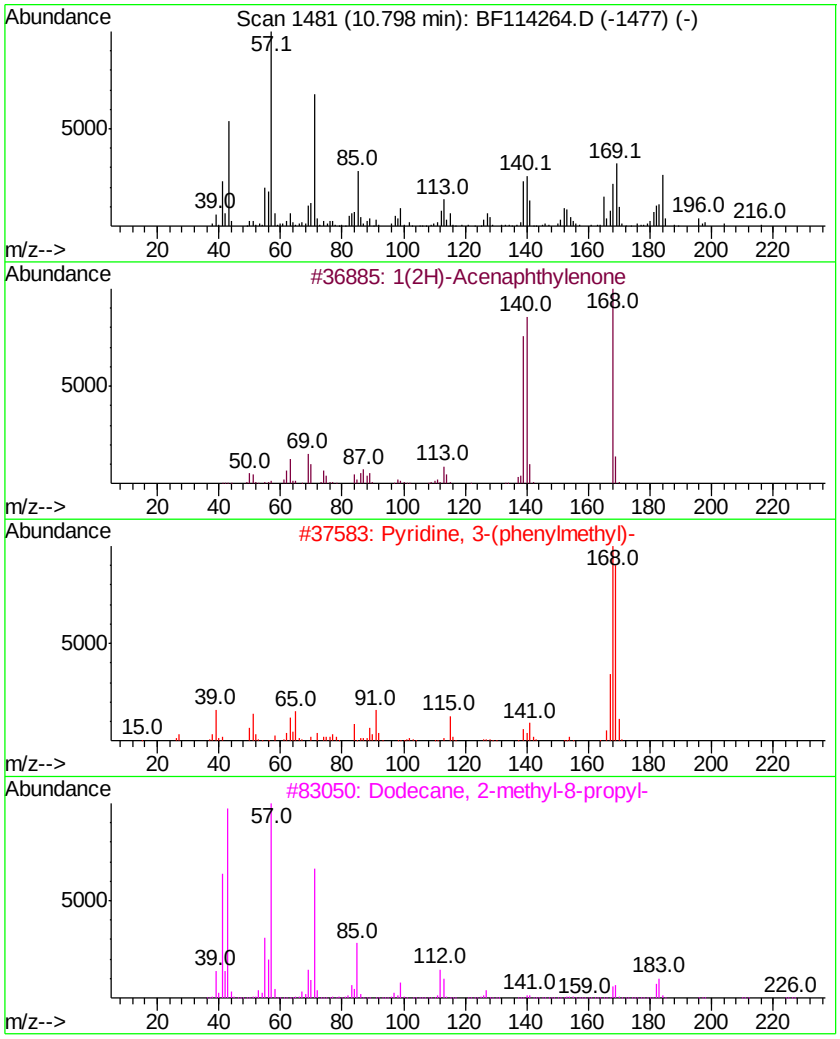
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

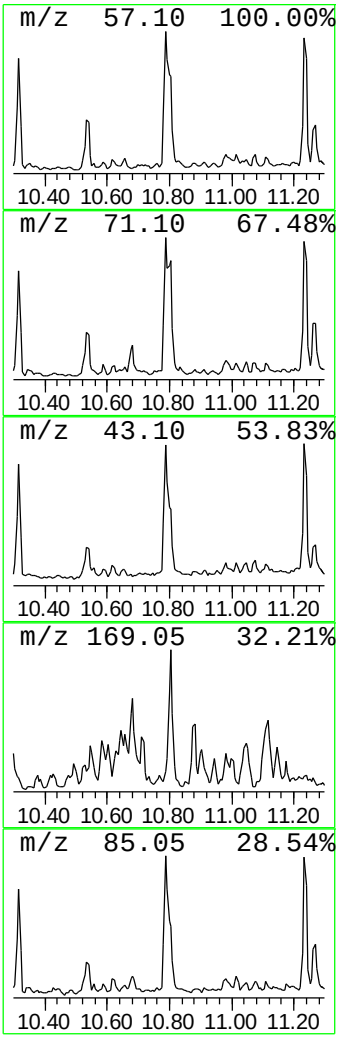
****

Peak Number 3 unknown10.80 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.80	6.27 ng	502808	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	46
2	Pyridine, 3-(phenylmethyl)-	169	C12H11N	000620-95-1	18
3	Dodecane, 2-methyl-8-propyl-	226	C16H34	055045-07-3	18
4	2-Methyl-3-phenylpyridine	169	C12H11N	003256-89-1	18
5	Decane, 2-methyl-	156	C11H24	006975-98-0	15





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS012-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

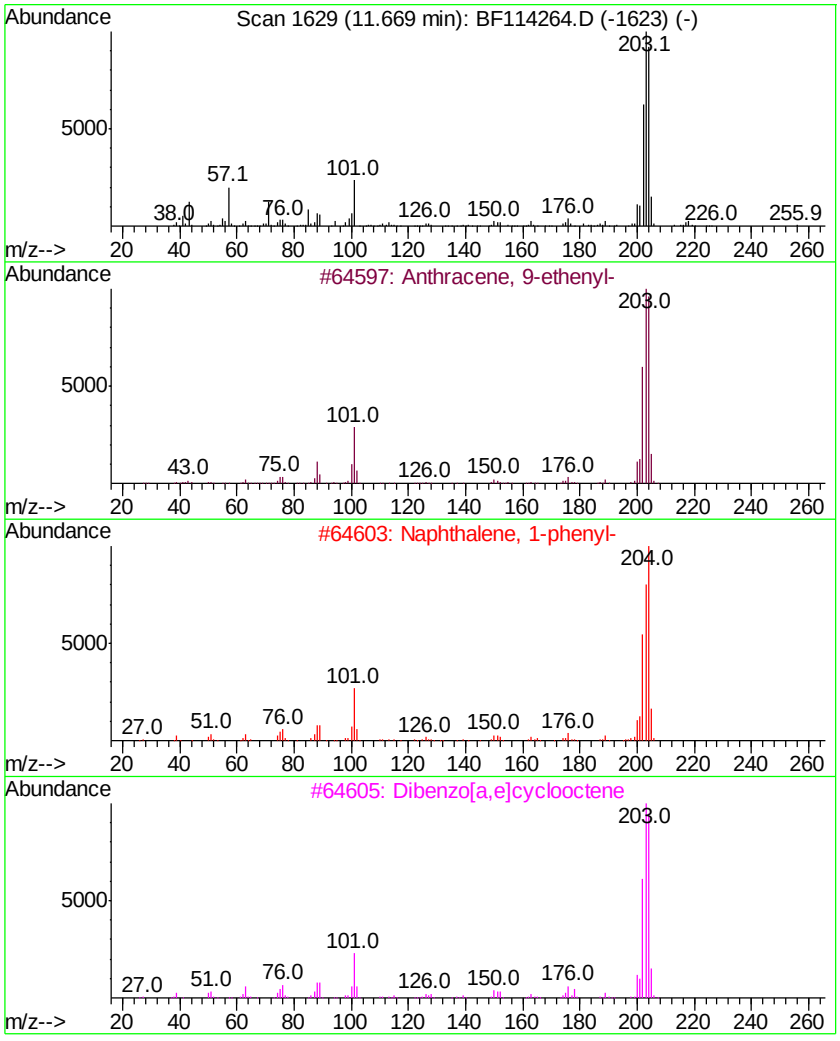
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

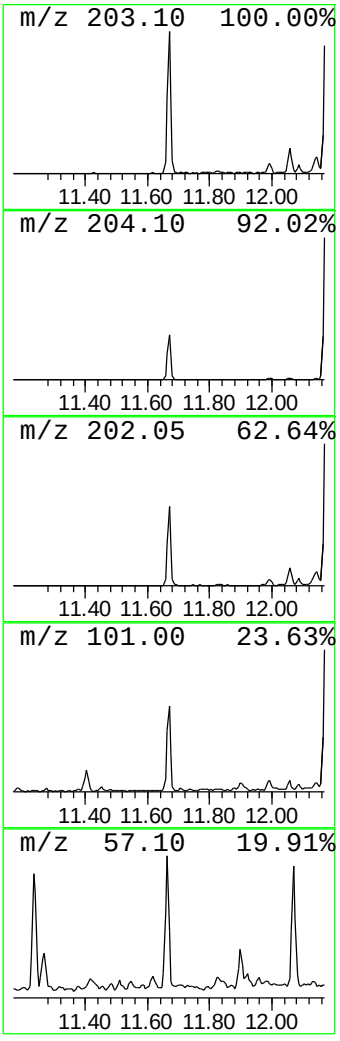
****

Peak Number 4 Anthracene, 9-ethenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	9.14 ng	733100	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	95
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	90
3	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	89
4	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	76
5	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	76





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051419\
Data File : BF114264.D
Acq On : 14 May 2019 20:11
Operator : JU/SJ
Sample : K2767-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS012-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

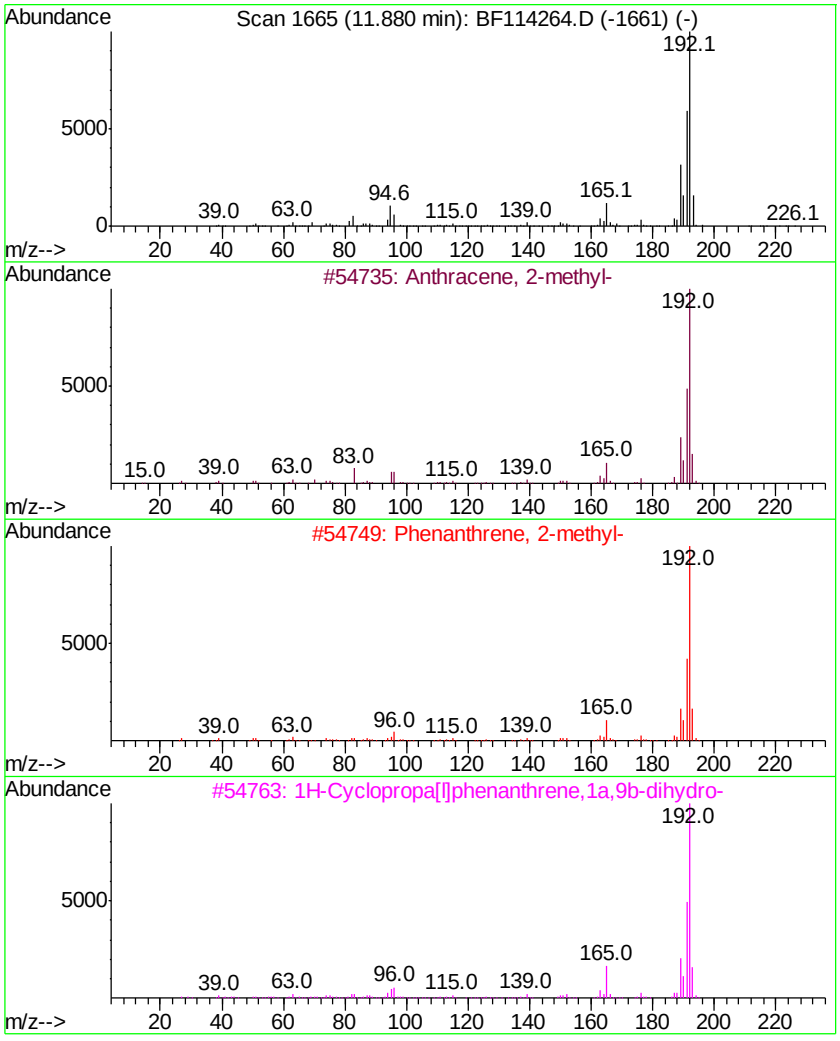
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

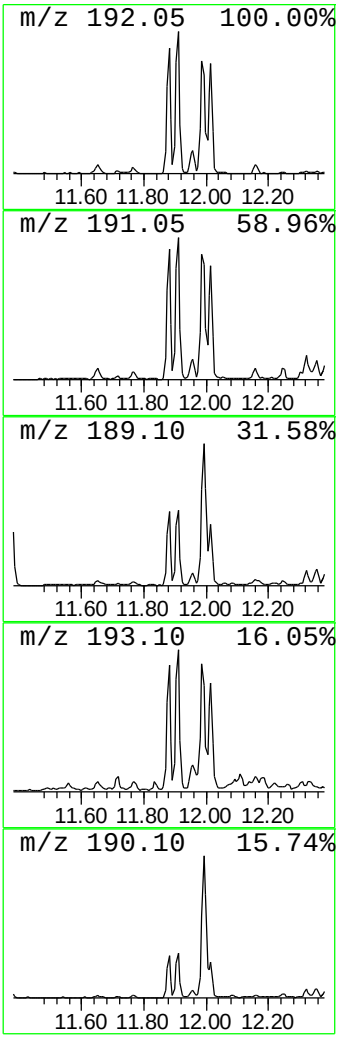
****

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	16.13 ng	1293370	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051419\
Data File : BF114264.D
Acq On : 14 May 2019 20:11
Operator : JU/SJ
Sample : K2767-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS012-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

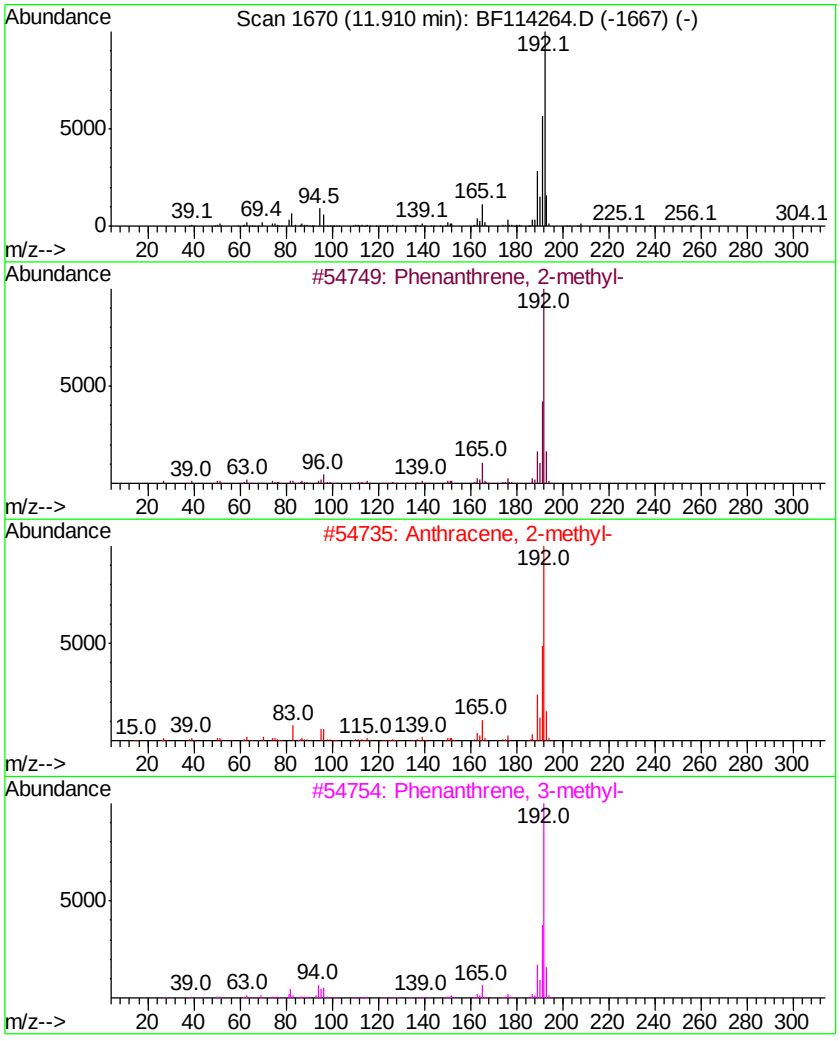
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

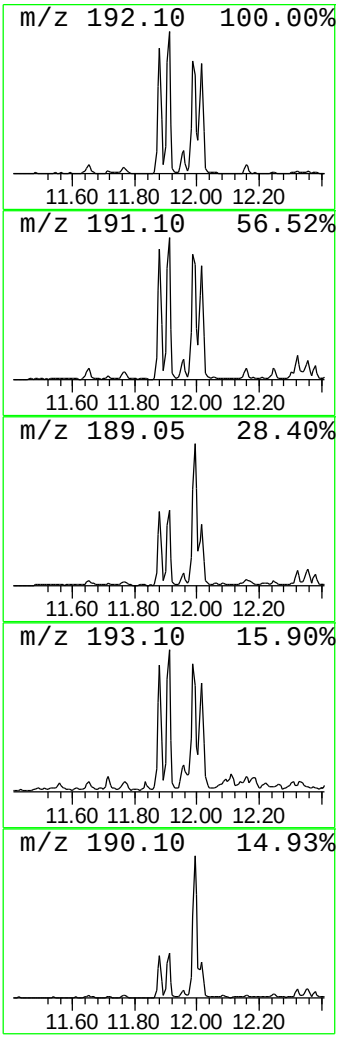
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	18.95 ng	1520000	Phenanthrene-d10	11.38

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	95
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





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Acq On : 14 May 2019 20:11
Operator : JU/SJ
Sample : K2767-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS012-0002-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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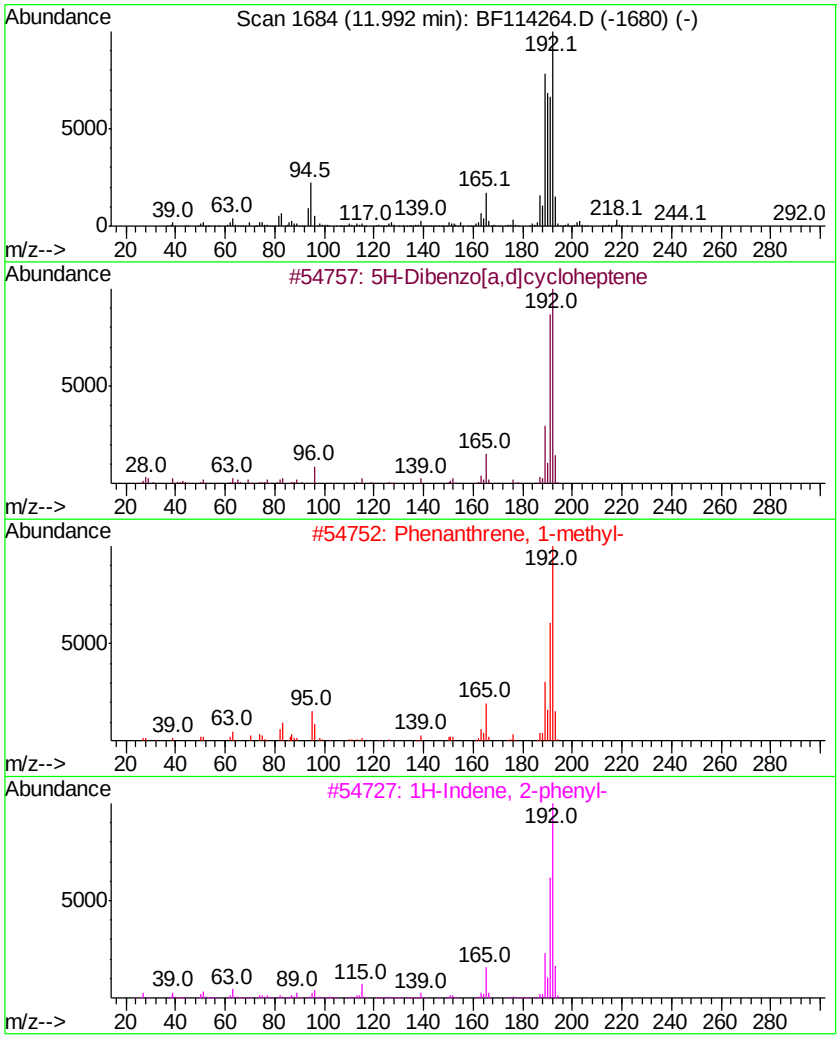
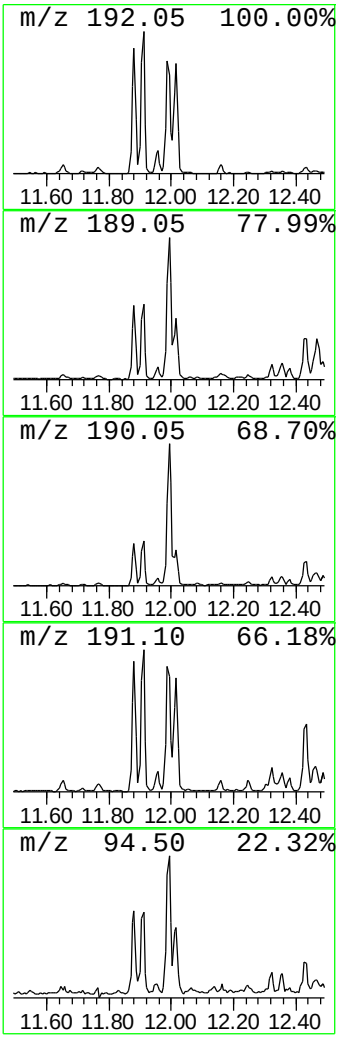
Peak Number 7 5H-Dibenzo[a,d]cycloheptene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	24.43 ng	1959500	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	50
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	50
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	50
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	50
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	50





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

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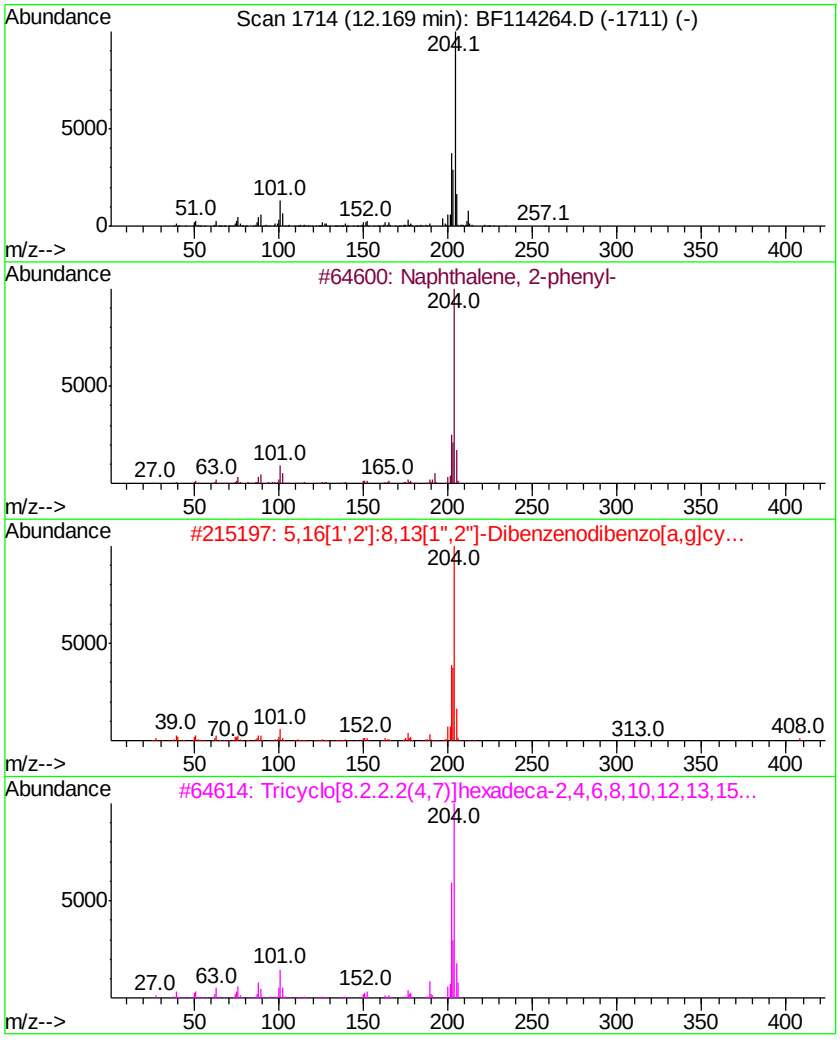
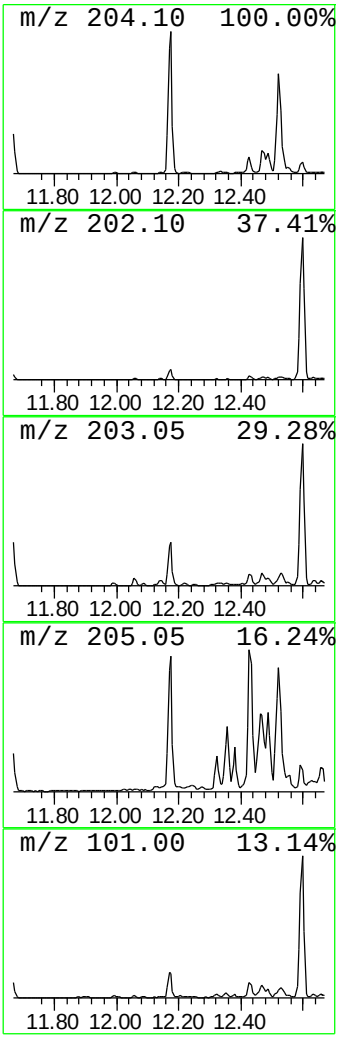
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	15.67 ng	1256480	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
4	Levamisole	204	C11H12N2S	014769-73-4	52
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	50





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TIC Library : C:\DATABASE\NIST11.L
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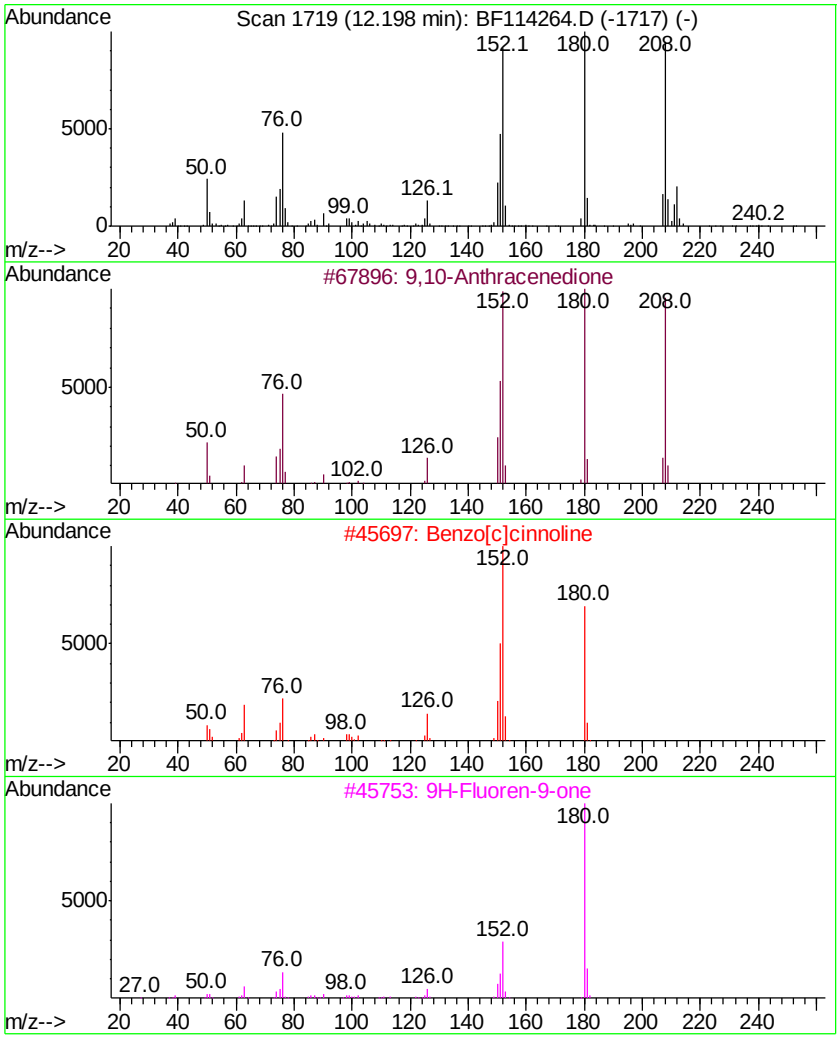
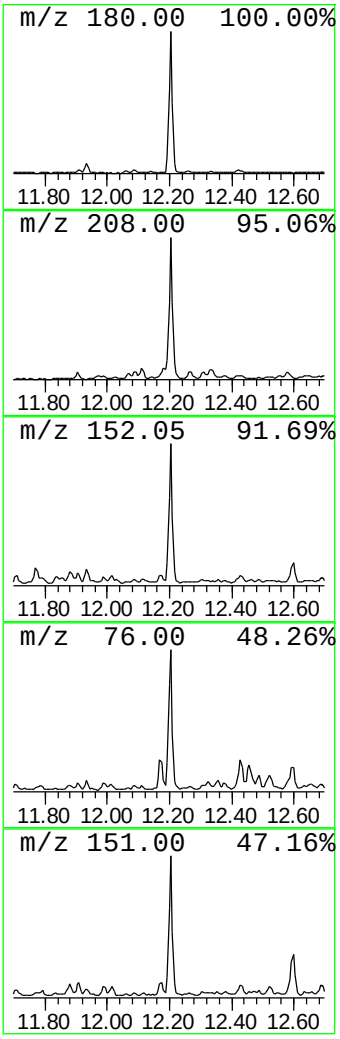
Peak Number 10 9,10-Anthracenedione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	16.45 ng	1318990	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	62
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	53





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TIC Integration Parameters: LSCINT.P

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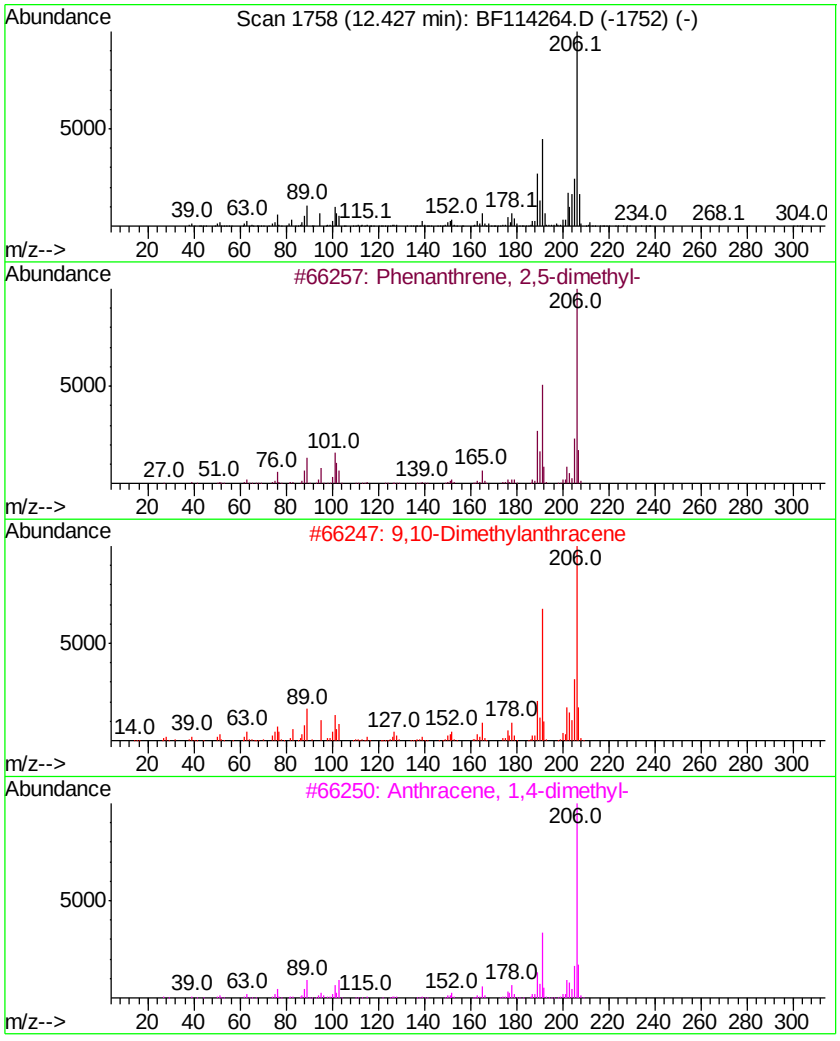
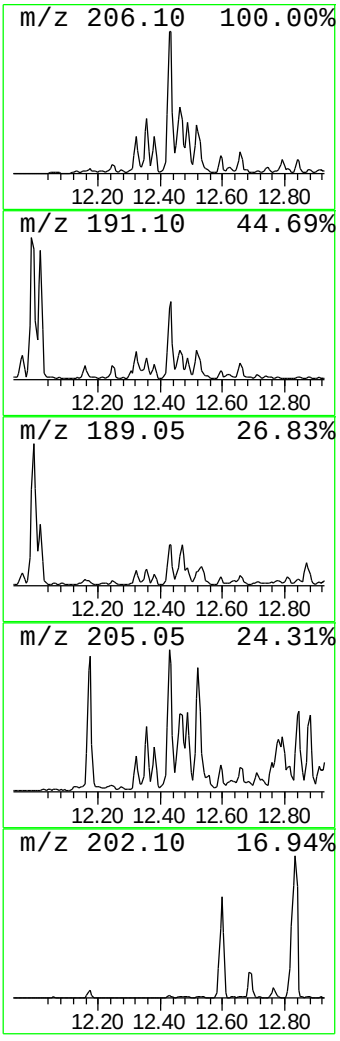
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	16.96 ng	1360070	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	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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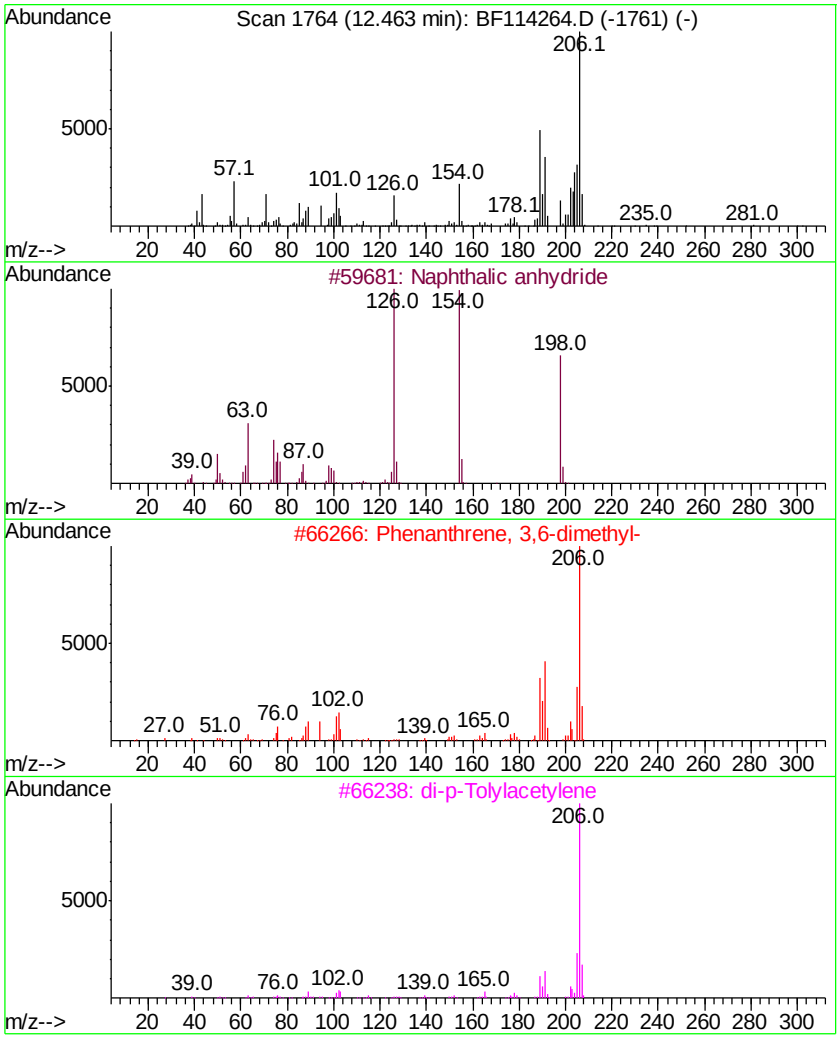
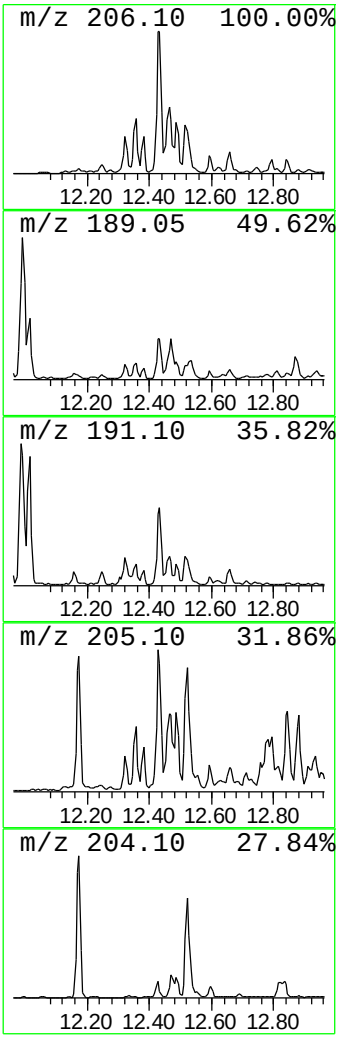
Peak Number 12 Naphthalic anhydride Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	14.83 ng	1189360	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalic anhydride	198	C12H6O3	000081-84-5	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	64
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	62
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	51





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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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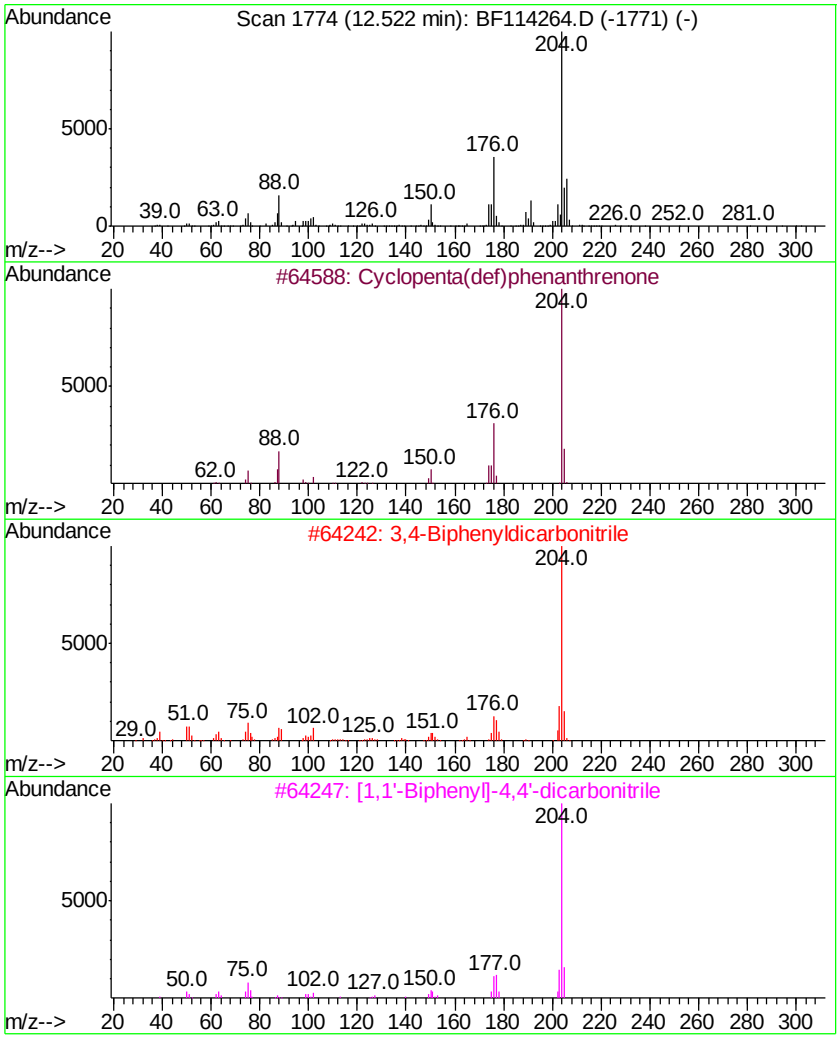
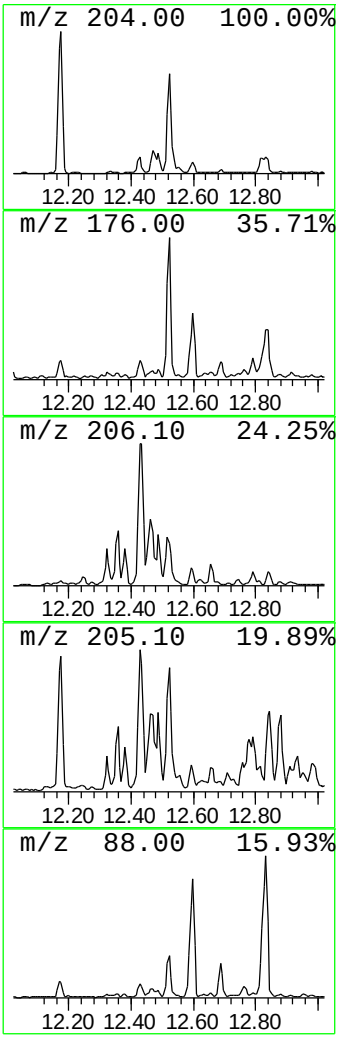
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	15.55 ng	1247110	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	64
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47





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Instrument : BNA_F
ClientSampleId : P026-SS012-0002-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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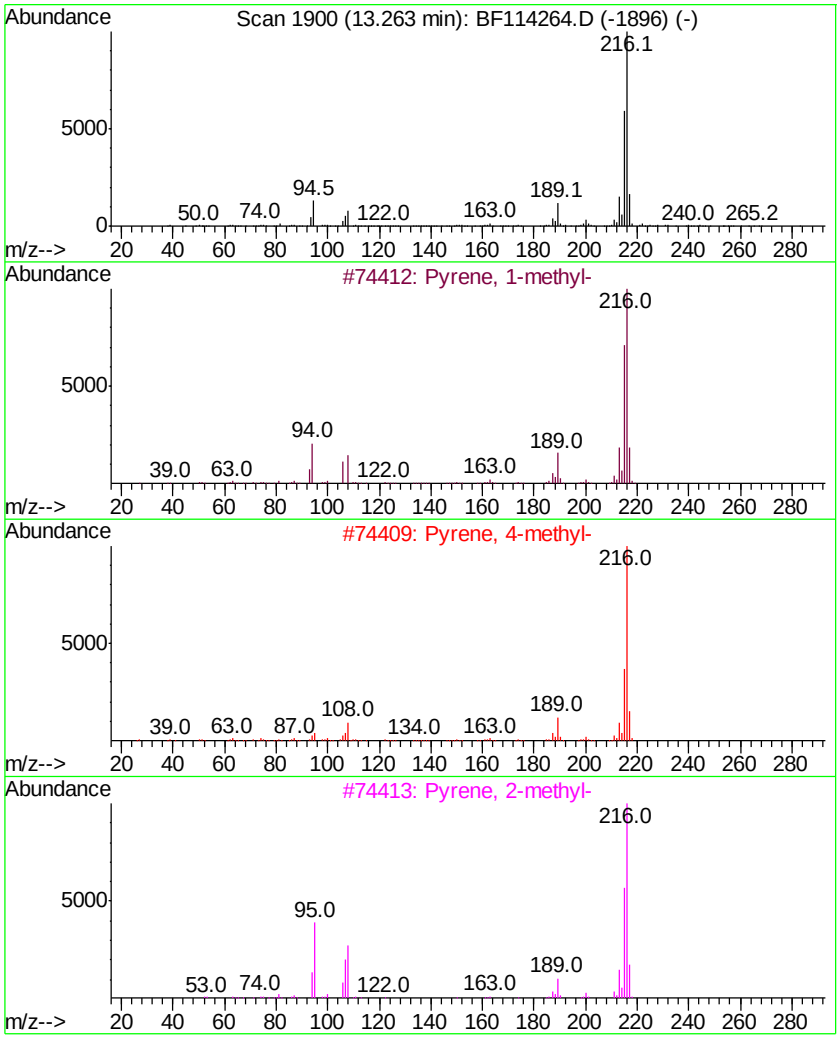
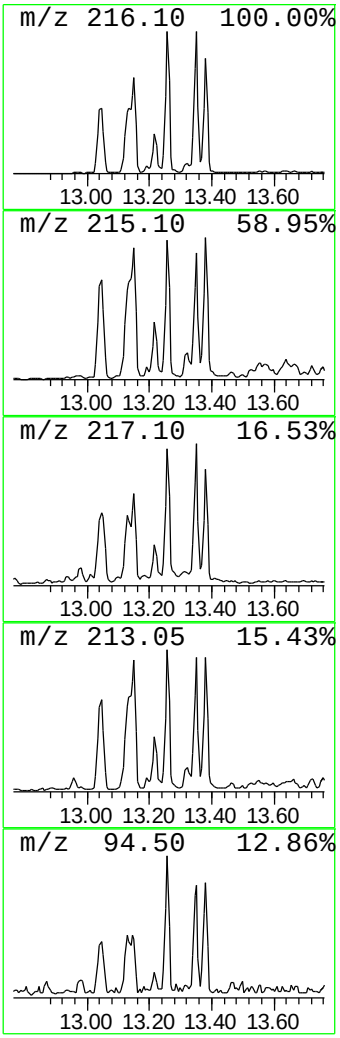
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	5.30 ng	1706910	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	99
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90





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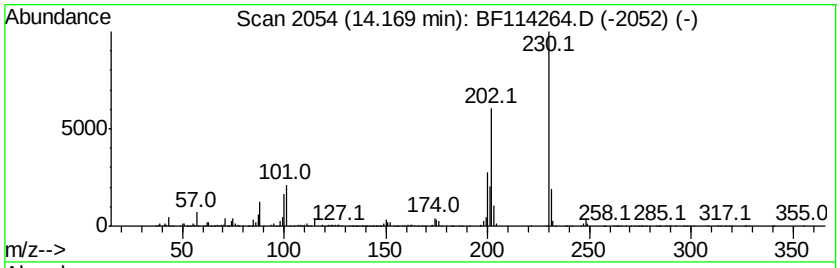
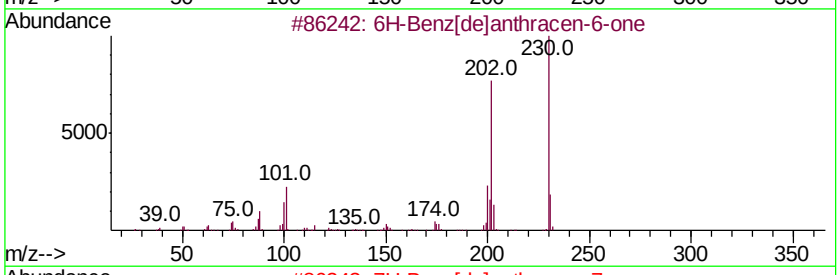
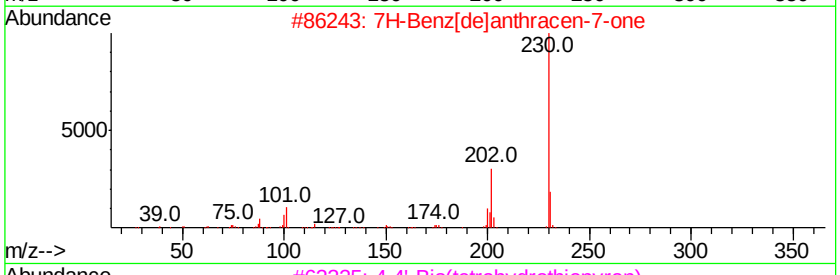
Peak Number 16 6H-Benz[de]anthracen-6-one Concentration Rank 19

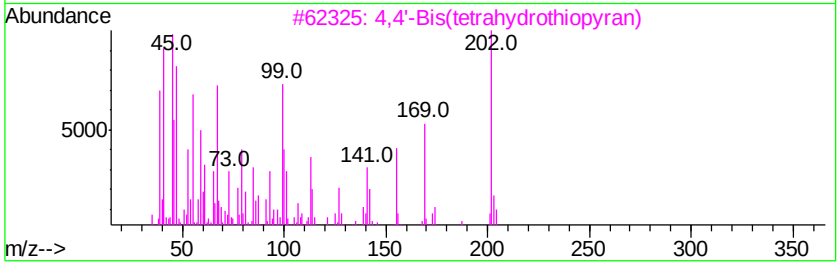
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.17	5.42 ng	1748520	Chrysene-d12	14.03

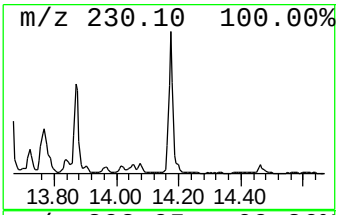
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	98
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	97
3	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	92
4	Pyrene	202	C16H10	000129-00-0	83
5	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	74

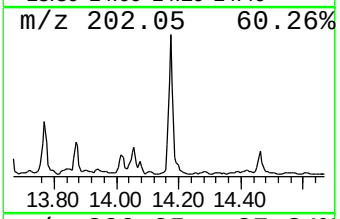


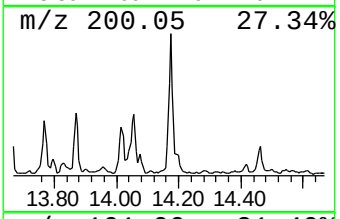


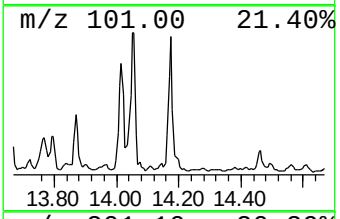


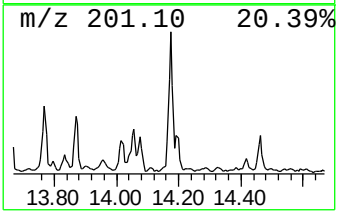












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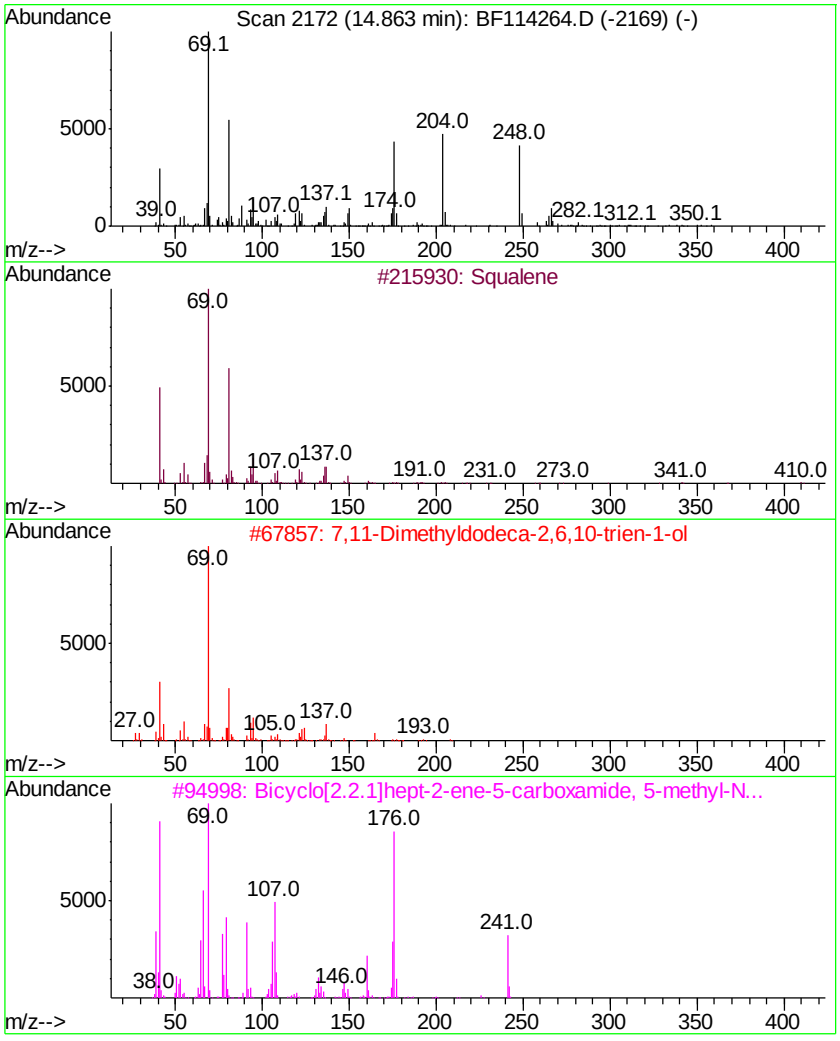
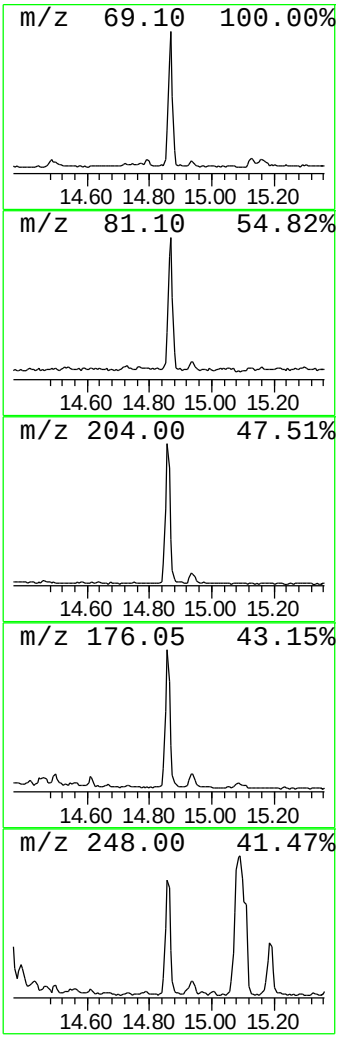
Peak Number 17 unknown14.86 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	6.67 ng	653442	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	000111-02-4	42
2	7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24O	125529-10-4	42
3	Bicyclo[2.2.1]hept-2-ene-5-carbo...	241	C16H19NO	1000260-57-5	35
4	Docosa-2,6,10,14,18-pentaen-22-a...	384	C27H44O	1000163-04-7	30
5	Supraene	410	C30H50	007683-64-9	30





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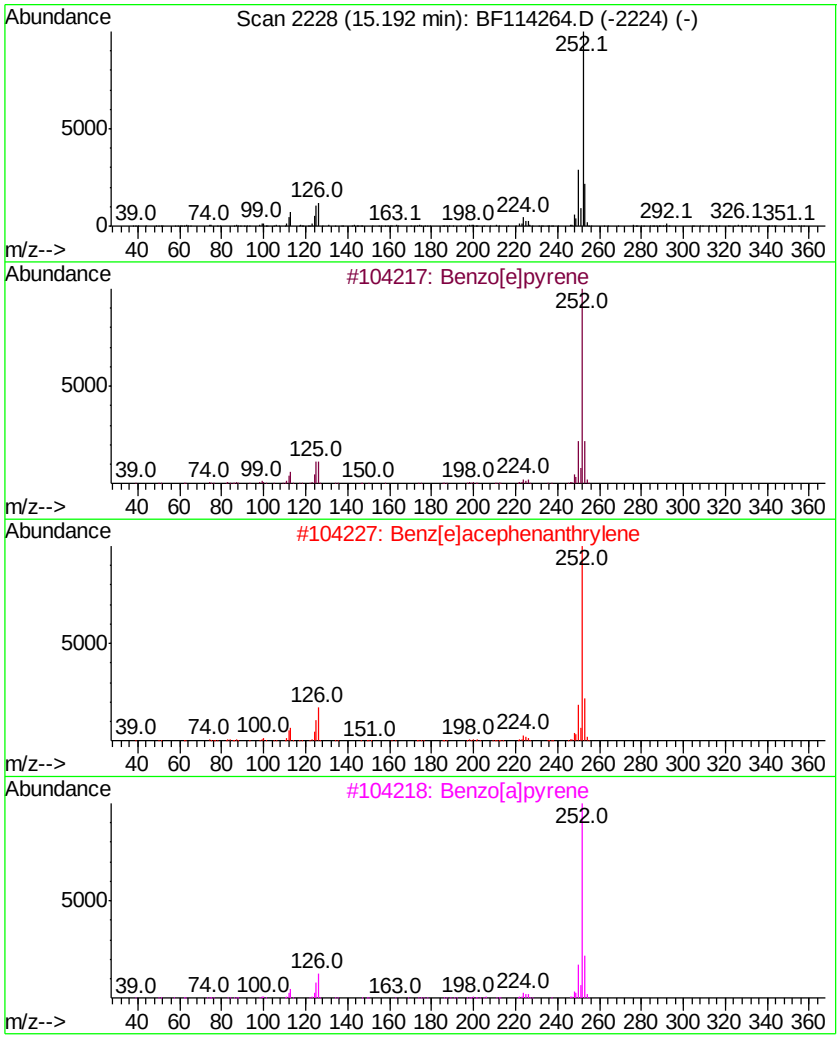
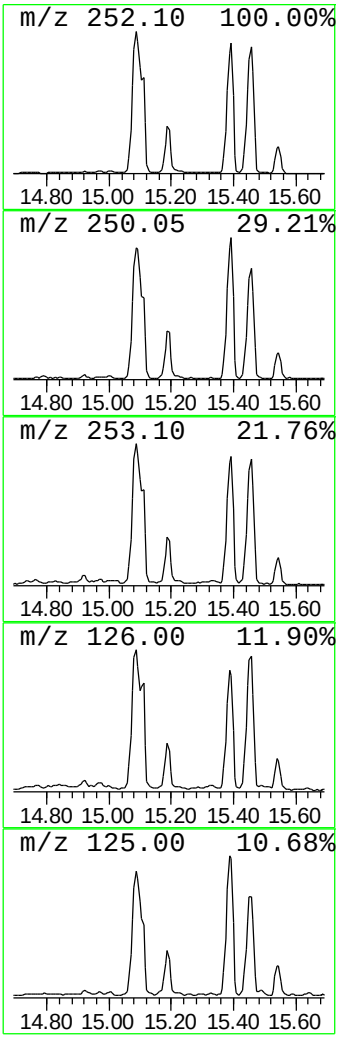
Peak Number 18 Benzo[e]pyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	10.81 ng	1059300	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	97
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
5	Perylene	252	C20H12	000198-55-0	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051419\
Data File : BF114264.D
Acq On : 14 May 2019 20:11
Operator : JU/SJ
Sample : K2767-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS012-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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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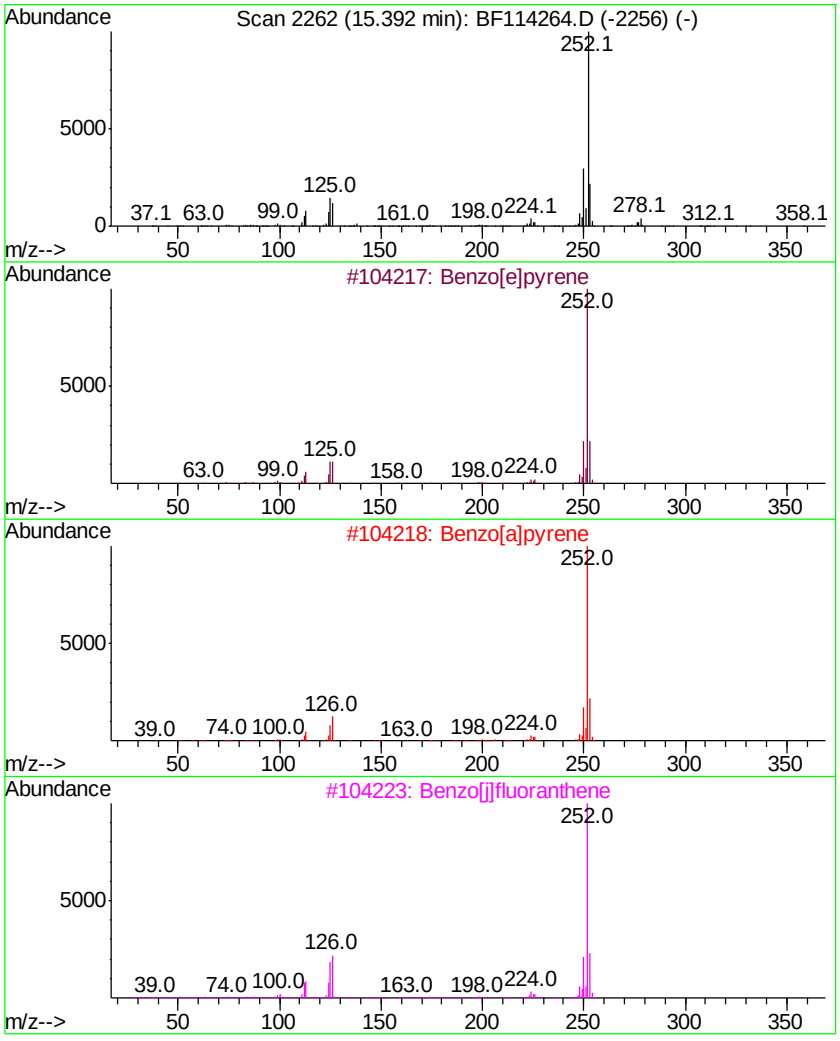
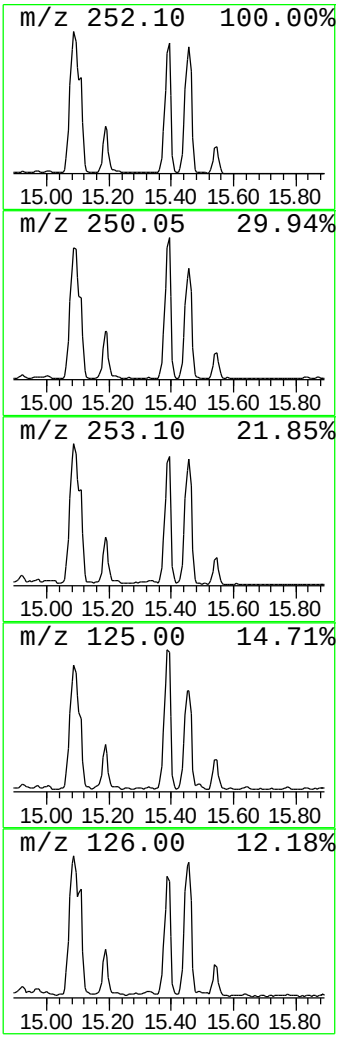
Peak Number 19 Benzo[j]fluoranthene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.39	36.60 ng	3588140	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	97
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
5	Perylene	252	C20H12	000198-55-0	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051419\
Data File : BF114264.D
Acq On : 14 May 2019 20:11
Operator : JU/SJ
Sample : K2767-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS012-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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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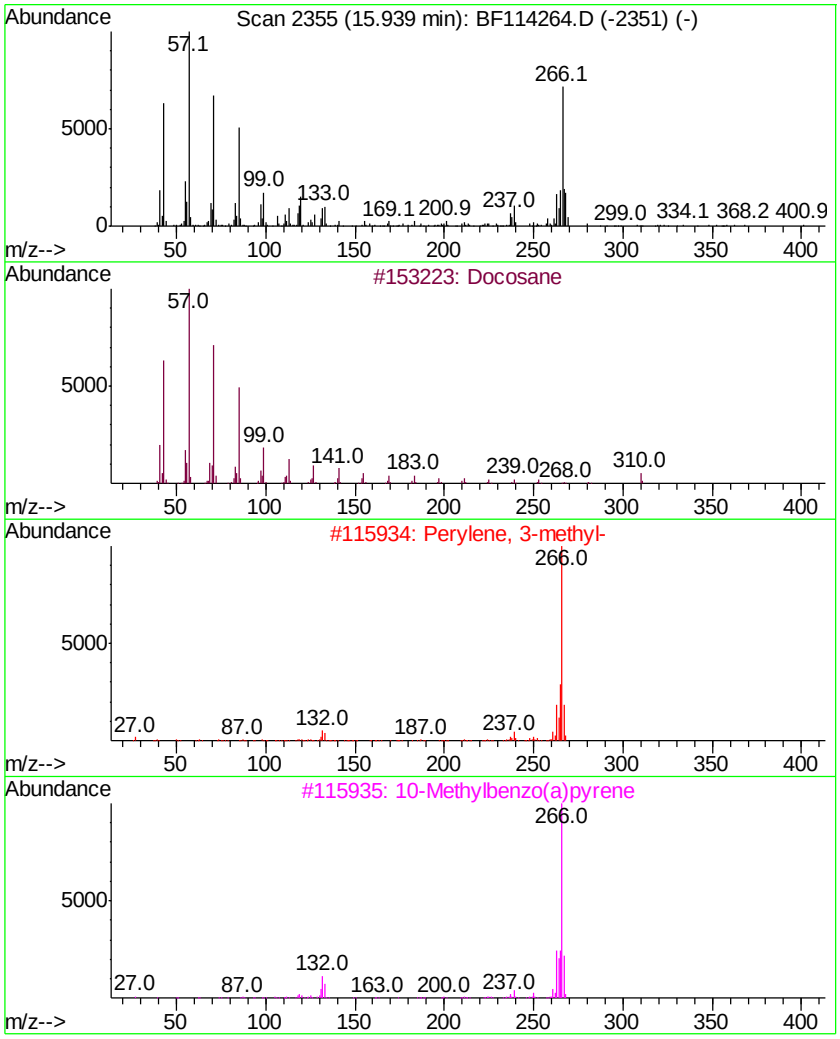
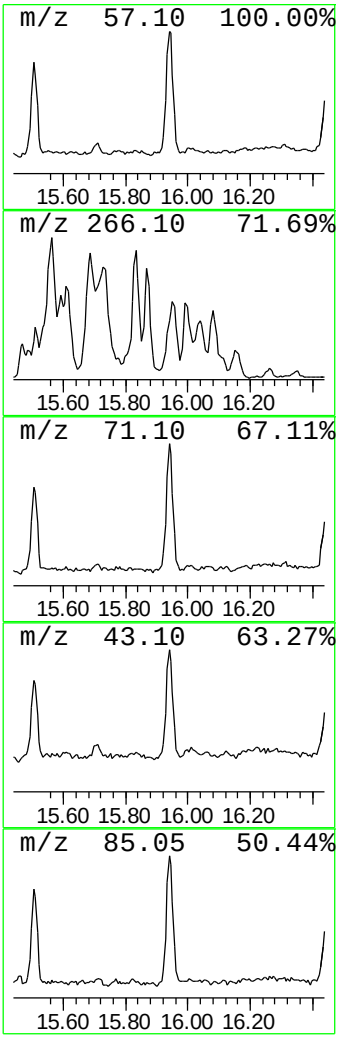
Peak Number 20 Docosane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.94	6.95 ng	681542	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane	310	C22H46	000629-97-0	91
2	Perylene, 3-methyl-	266	C21H14	024471-47-4	45
3	10-Methylbenzo(a)pyrene	266	C21H14	063104-32-5	41
4	4'-Amino-4-dimethylaminochalcone	266	C17H18N2O	025870-72-8	38
5	Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051419\
Data File : BF114264.D
Acq On : 14 May 2019 20:11
Operator : JU/SJ
Sample : K2767-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS012-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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
unknown6.63	6.63	34.9	ng	2411550	1	6.86	1381950	20.0
unknown10.80	10.80	6.3	ng	502808	4	11.38	1603890	20.0
Anthracene, 9-eth...	11.67	9.1	ng	733100	4	11.38	1603890	20.0
Anthracene, 2-met...	11.88	16.1	ng	1293370	4	11.38	1603890	20.0
Phenanthrene, 2-m...	11.91	18.9	ng	1520000	4	11.38	1603890	20.0
5H-Dibenzo[a,d]cy...	11.99	24.4	ng	1959500	4	11.38	1603890	20.0
Naphthalene, 2-ph...	12.17	15.7	ng	1256480	4	11.38	1603890	20.0
9,10-Anthracenedione	12.20	16.4	ng	1318990	4	11.38	1603890	20.0
Phenanthrene, 2,5...	12.43	17.0	ng	1360070	4	11.38	1603890	20.0
Naphthalic anhydride	12.46	14.8	ng	1189360	4	11.38	1603890	20.0
Cyclopenta(def)ph...	12.52	15.6	ng	1247110	4	11.38	1603890	20.0
Pyrene, 1-methyl-	13.26	5.3	ng	1706910	5	14.03	6446890	20.0
6H-Benz[de]anthra...	14.17	5.4	ng	1748520	5	14.03	6446890	20.0
unknown14.86	14.86	6.7	ng	653442	6	15.52	1960630	20.0
Benzo[e]pyrene	15.19	10.8	ng	1059300	6	15.52	1960630	20.0
Benzo[j]fluoranthene	15.39	36.6	ng	3588140	6	15.52	1960630	20.0
Docosane	15.94	7.0	ng	681542	6	15.52	1960630	20.0