LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114204.D
Acq On : 12 May 2019 20:24
Operator : JU/SJ
Sample : K2766-20 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS009-0612-01

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	5.481	573	577	594	rBV	1348669	1478822	55.55%	3.629%
2	6.486	745	748	761	rBV	1644038	1583504	59.48%	3.886%
3	6.622	768	771	779	rBV	1756748	1560497	58.61%	3.829%
4	6.851	806	810	819	rBV	1934550	1549973	58.22%	3.803%
5	7.010	833	837	845	rBV	1287592	1180511	44.34%	2.897%
6	7.410	901	905	917	rBV	1019682	960112	36.06%	2.356%
7	8.133	1024	1028	1031	rBV	2338827	1938725	72.82%	4.757%
8	8.775	1132	1137	1144	rVB2	24375	39415	1.48%	0.097%
9	8.845	1146	1149	1153	rBV	40507	35223	1.32%	0.086%
10	9.204	1206	1210	1222	rBV	1960493	1621895	60.92%	3.980%
11	9.598	1274	1277	1285	rVB2	181161	206654	7.76%	0.507%
12	9.745	1298	1302	1311	rBV	266427	234174	8.80%	0.575%
13	9.886	1322	1326	1336	rVB	2334975	2077818	78.05%	5.099%
14	10.198	1376	1379	1382	rBV3	23155	27587	1.04%	0.068%
15	10.339	1400	1403	1405	rBV	46070	36249	1.36%	0.089%
16	10.445	1416	1421	1424	rVB2	31348	39938	1.50%	0.098%
17	10.539	1432	1437	1442	rBV4	31462	40356	1.52%	0.099%
18	10.674	1456	1460	1472	rVB	984376	952093	35.76%	2.336%
19	10.798	1477	1481	1487	rBV4	60731	77041	2.89%	0.189%
20	10.980	1508	1512	1515	rBV5	28676	48574	1.82%	0.119%
21	11.133	1535	1538	1541	rVB	47645	37970	1.43%	0.093%
22	11.174	1543	1545	1549	rVB	50310	47513	1.78%	0.117%
23	11.233	1549	1555	1557	rBV3	27344	42205	1.59%	0.104%
24	11.268	1558	1561	1566	rVB	59121	61908	2.33%	0.152%
25	11.368	1574	1578	1581	rBV	2216005	2100173	78.89%	5.153%
26	11.392	1581	1582	1589	rVV	674567	487120	18.30%	1.195%
27	11.445	1589	1591	1594	rVV	166465	131129	4.93%	0.322%
28	11.474	1594	1596	1600	rVV2	40702	46251	1.74%	0.113%
29	11.616	1615	1620	1622	rBV5	20093	37019	1.39%	0.091%
30	11.663	1622	1628	1631	rVV2	115447	124336	4.67%	0.305%
31	11.704	1632	1635	1637	rVV	75342	61332	2.30%	0.150%
32	11.763	1642	1645	1647	rVV3	31529	32597	1.22%	0.080%
33	11.786	1647	1649	1653	rVB	32103	31901	1.20%	0.078%
34	11.827	1653	1656	1660	rBV	34853	42866	1.61%	0.105%

LSC Area Percent Report

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Operator : JU/SJ
Sample : K2766-20 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS009-0612-01

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

35	11.868	1660	1663	1665	rBV	225211	215689	8.10%	0.529%
36	11.898	1665	1668	1674	rVV2	327174	364945	13.71%	0.896%
37	11.945	1674	1676	1679	rVB	61660	55107	2.07%	0.135%
38	11.980	1679	1682	1685	rBV2	352744	383203	14.39%	0.940%
39	12.004	1685	1686	1690	rVB	220694	166420	6.25%	0.408%
40	12.063	1692	1696	1701	rBV6	29596	57118	2.15%	0.140%
41	12.104	1701	1703	1706	rBV	59913	50184	1.88%	0.123%
42	12.163	1710	1713	1716	rVV	204373	207079	7.78%	0.508%
43	12.192	1716	1718	1724	rVB2	167500	170891	6.42%	0.419%
44	12.298	1733	1736	1737	rBV2	46998	36669	1.38%	0.090%
45	12.315	1737	1739	1742	rVV	71338	72178	2.71%	0.177%
46	12.351	1742	1745	1747	rVV	82429	84853	3.19%	0.208%
47	12.368	1747	1748	1751	rVB2	49930	39177	1.47%	0.096%
48	12.421	1751	1757	1760	rBV2	274994	325174	12.21%	0.798%
49	12.457	1760	1763	1765	rVV2	140754	172378	6.47%	0.423%
50	12.480	1765	1767	1769	rVV	91629	71066	2.67%	0.174%
51	12.510	1769	1772	1776	rVV3	191554	228350	8.58%	0.560%
52	12.580	1779	1784	1788	rVV	1047929	1019899	38.31%	2.503%
53	12.627	1789	1792	1794	rVV	73482	76226	2.86%	0.187%
54	12.651	1794	1796	1798	rVV2	57794	55941	2.10%	0.137%
55	12.680	1798	1801	1804	rVV	239420	223372	8.39%	0.548%
56	12.715	1804	1807	1809	rVV3	81197	96644	3.63%	0.237%
57	12.751	1809	1813	1819	rVV2	111642	178311	6.70%	0.438%
58	12.815	1819	1824	1830	rVV	1768492	1809849	67.98%	4.441%
59	12.868	1830	1833	1836	rVB2	74539	90603	3.40%	0.222%
60	12.927	1841	1843	1844	rBV	35685	30104	1.13%	0.074%
61	12.951	1844	1847	1850	rBV	1419558	1201437	45.13%	2.948%
62	13.027	1857	1860	1868	rBV2	216177	342526	12.87%	0.840%
63	13.086	1868	1870	1872	rBV3	56279	48397	1.82%	0.119%
64	13.115	1872	1875	1877	rBV3	185449	231190	8.68%	0.567%
65	13.204	1888	1890	1894	rBV2	47477	45322	1.70%	0.111%
66	13.245	1894	1897	1904	rVB	326593	285722	10.73%	0.701%
67	13.339	1910	1913	1915	rBV	275855	225875	8.48%	0.554%
68	13.368	1915	1918	1921	rVB	238792	192559	7.23%	0.473%
69	13.457	1930	1933	1936	rBV3	66386	81437	3.06%	0.200%
70	13.645	1963	1965	1971	rVB	176534	186845	7.02%	0.458%
71	13.757	1980	1984	1987	rBV2	183727	232245	8.72%	0.570%

LSC Area Percent Report

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Operator : JU/SJ
Sample : K2766-20 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS009-0612-01

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	13.786	1987	1989	1991	rVV	216616	166064	6.24%	0.407%
73	13.810	1991	1993	1996	rVV	183518	171835	6.45%	0.422%
74	13.851	1996	2000	2010	rVB3	223140	414816	15.58%	1.018%
75	14.009	2022	2027	2030	rBV2	2035616	2662308	100.00%	6.533%
76	14.033	2030	2031	2037	rVB	895674	652495	24.51%	1.601%
77	14.098	2040	2042	2046	rBV3	58679	79688	2.99%	0.196%
78	14.133	2046	2048	2049	rBV2	71346	53909	2.02%	0.132%
79	14.157	2049	2052	2062	rVB2	252782	336913	12.65%	0.827%
80	14.362	2084	2087	2089	rBV2	88207	84875	3.19%	0.208%
81	14.398	2089	2093	2096	rVV	293579	363332	13.65%	0.892%
82	14.433	2096	2099	2103	rVV2	191001	251797	9.46%	0.618%
83	14.480	2103	2107	2111	rVV4	201800	321970	12.09%	0.790%
84	14.521	2112	2114	2116	rVV2	155837	159912	6.01%	0.392%
85	14.545	2116	2118	2121	rVV	136365	138057	5.19%	0.339%
86	14.592	2124	2126	2130	rVB	114249	114424	4.30%	0.281%
87	14.821	2163	2165	2168	rVB	87342	83707	3.14%	0.205%
88	14.857	2168	2171	2174	rBV2	97412	96103	3.61%	0.236%
89	15.056	2200	2205	2213	rBV	781502	1595142	59.92%	3.914%
90	15.162	2220	2223	2231	rVB	162569	200757	7.54%	0.493%
91	15.356	2252	2256	2262	rVB	623184	761210	28.59%	1.868%
92	15.415	2262	2266	2272	rVV	655461	784344	29.46%	1.925%
93	15.480	2272	2277	2290	rVB	1320940	1921406	72.17%	4.715%
94	16.945	2521	2526	2533	rVB2	263628	500050	18.78%	1.227%
95	17.392	2597	2602	2611	rVB2	261385	509597	19.14%	1.250%

Sum of corrected areas: 40753177

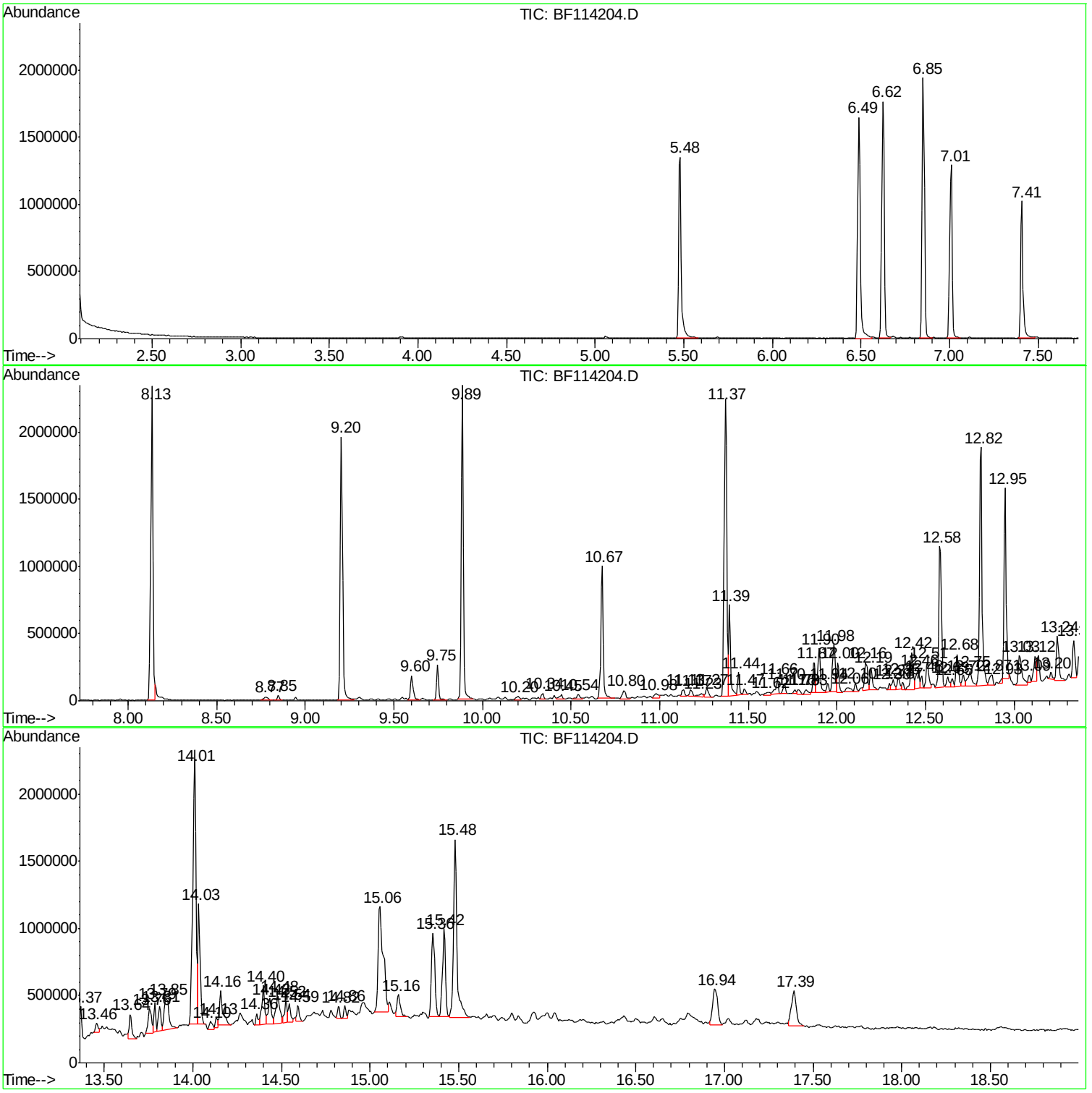
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114204.D
Acq On : 12 May 2019 20:24
Operator : JU/SJ
Sample : K2766-20 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P026-SS009-0612-01

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\BF051219\
Data File : BF114204.D
Acq On : 12 May 2019 20:24
Operator : JU/SJ
Sample : K2766-20 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS009-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
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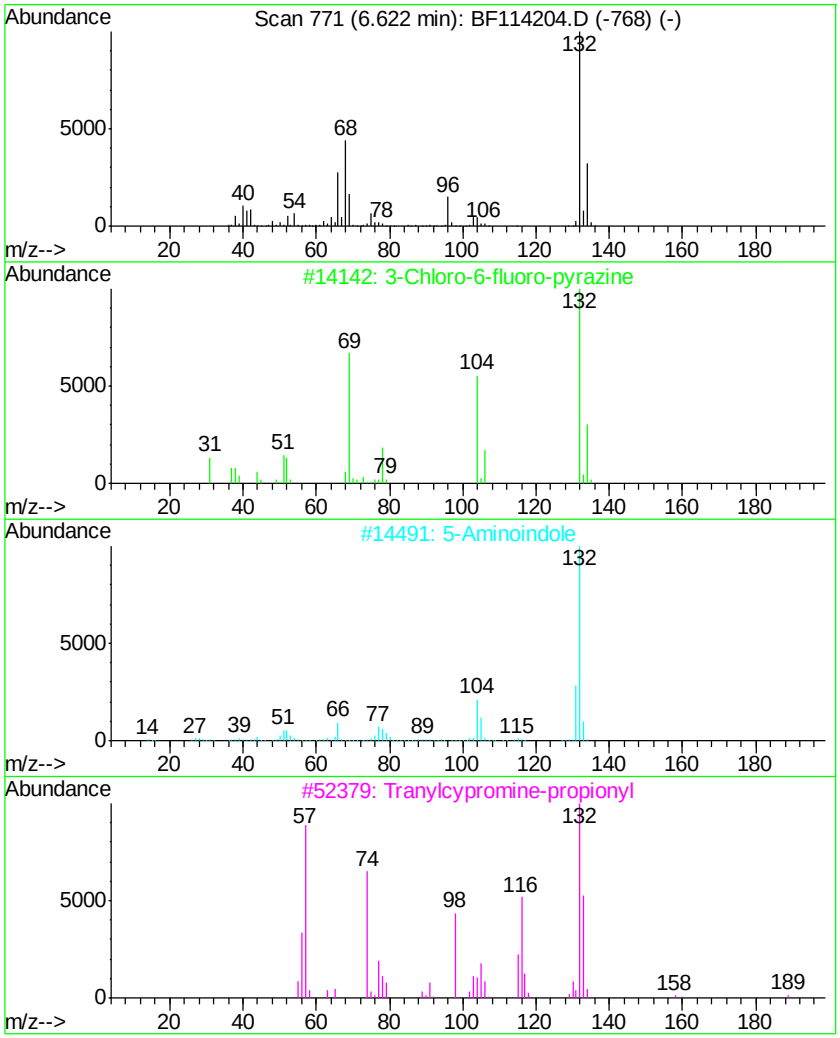
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

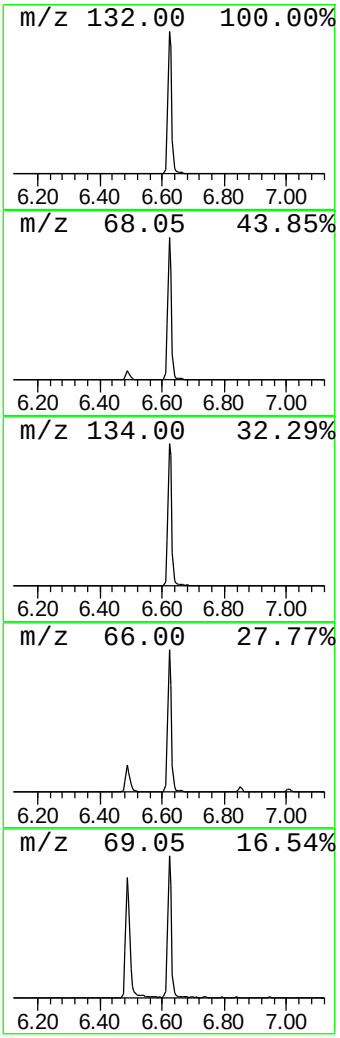
****

Peak Number 1 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	20.14 ng	1560500	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Amphetaminil	250	C17H18N2	017590-01-1	10
5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
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Acq On : 12 May 2019 20:24
Operator : JU/SJ
Sample : K2766-20 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS009-0612-01

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

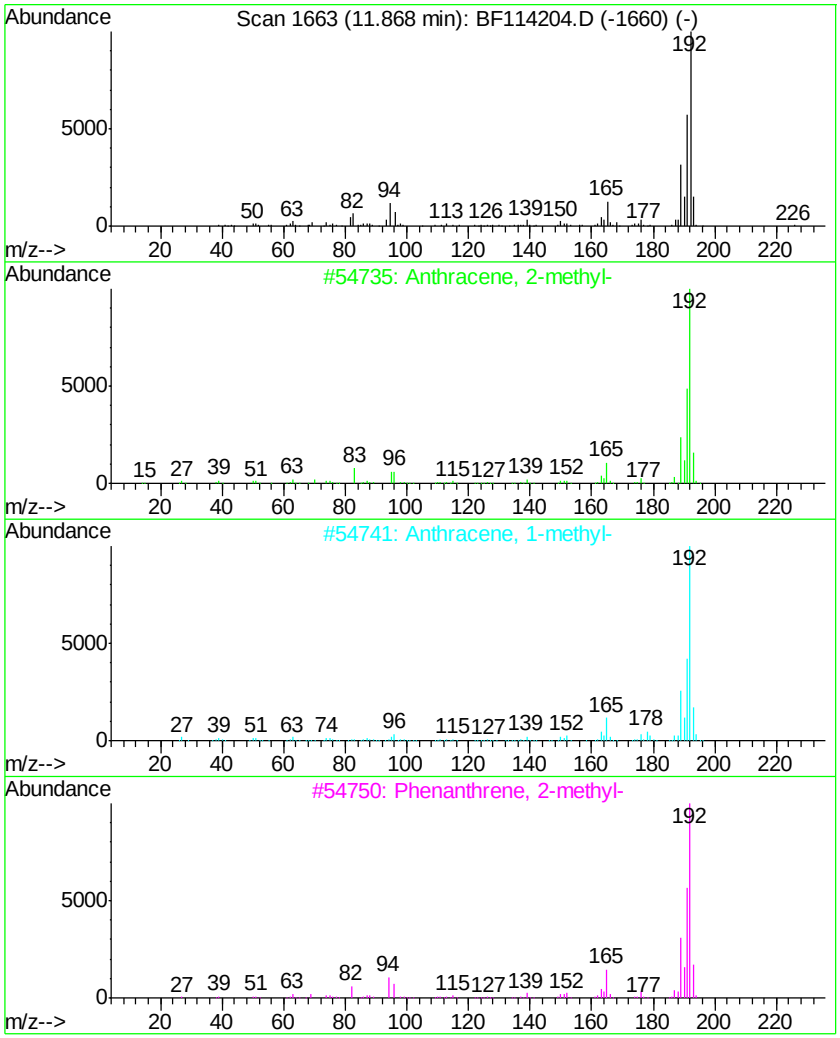
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

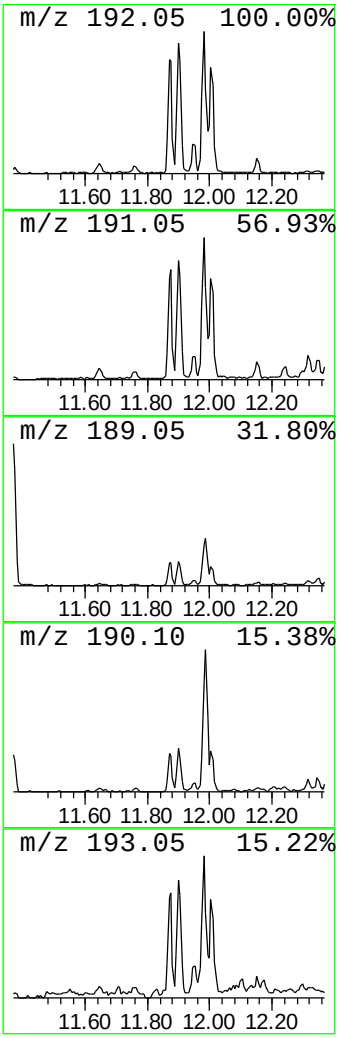
****

Peak Number 3 Anthracene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	2.05 ng	215689	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Instrument : BNA_F
ClientSampleId : P026-SS009-0612-01

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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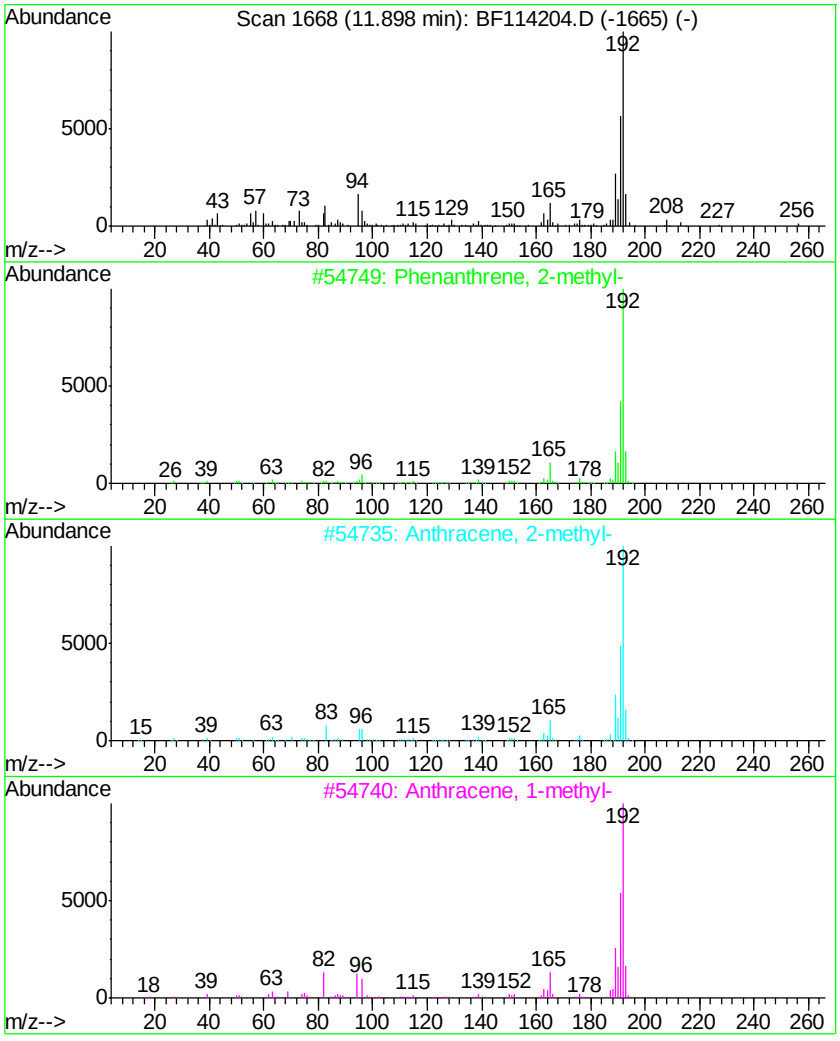
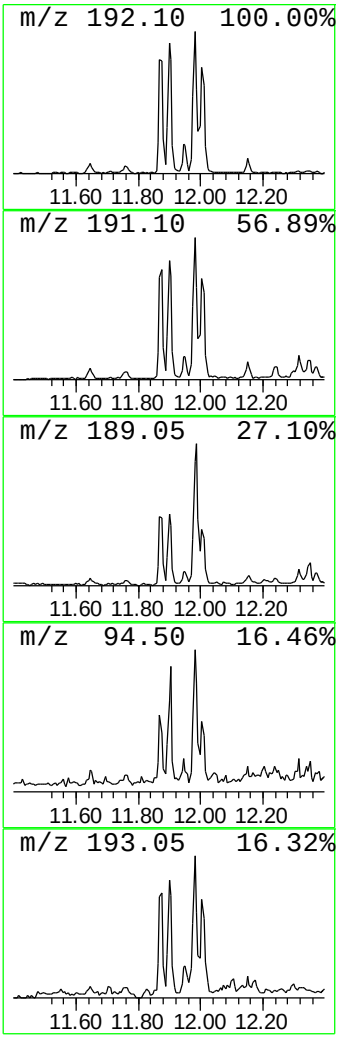
Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	3.48 ng	364945	Phenanthrene-d10	11.37

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	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





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Sample : K2766-20 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS009-0612-01

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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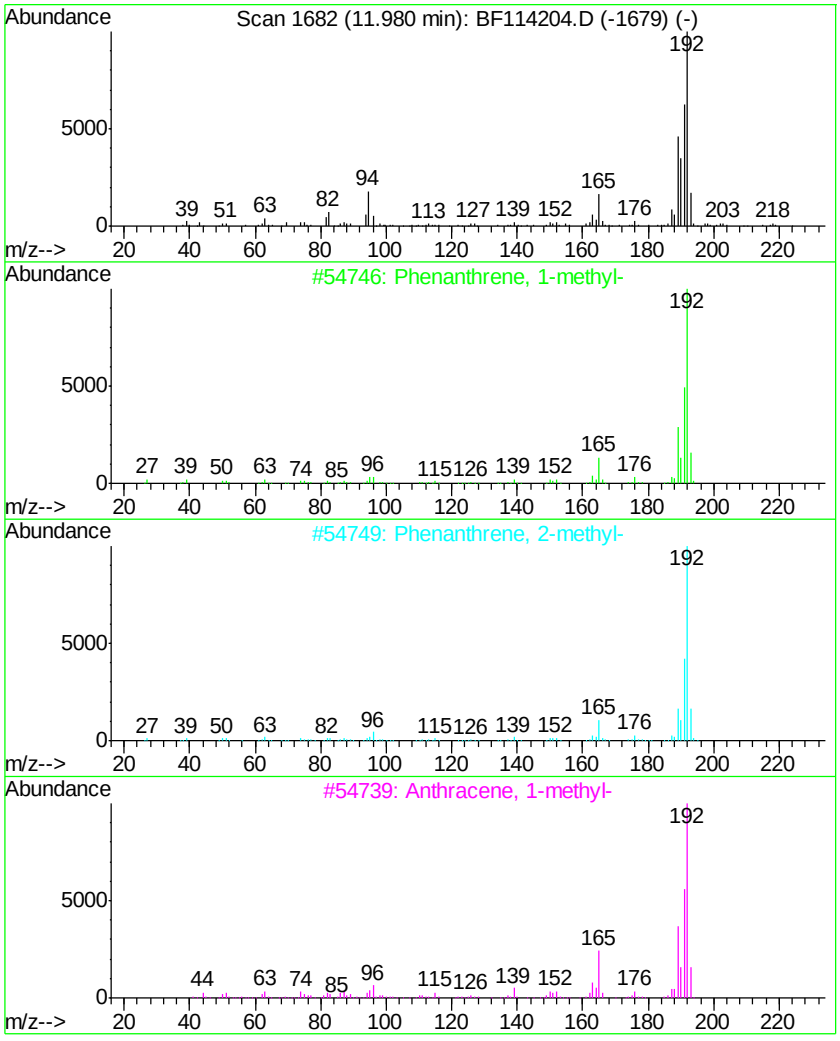
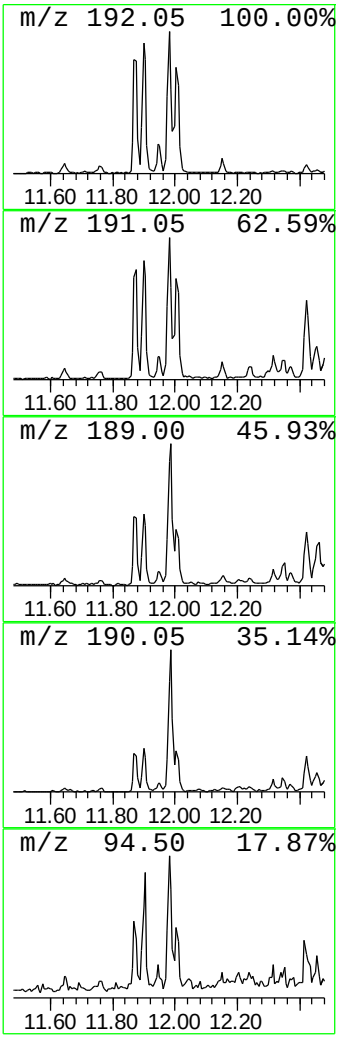
Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	3.65 ng	383203	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	83
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	70





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Data File : BF114204.D
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Operator : JU/SJ
Sample : K2766-20 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS009-0612-01

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

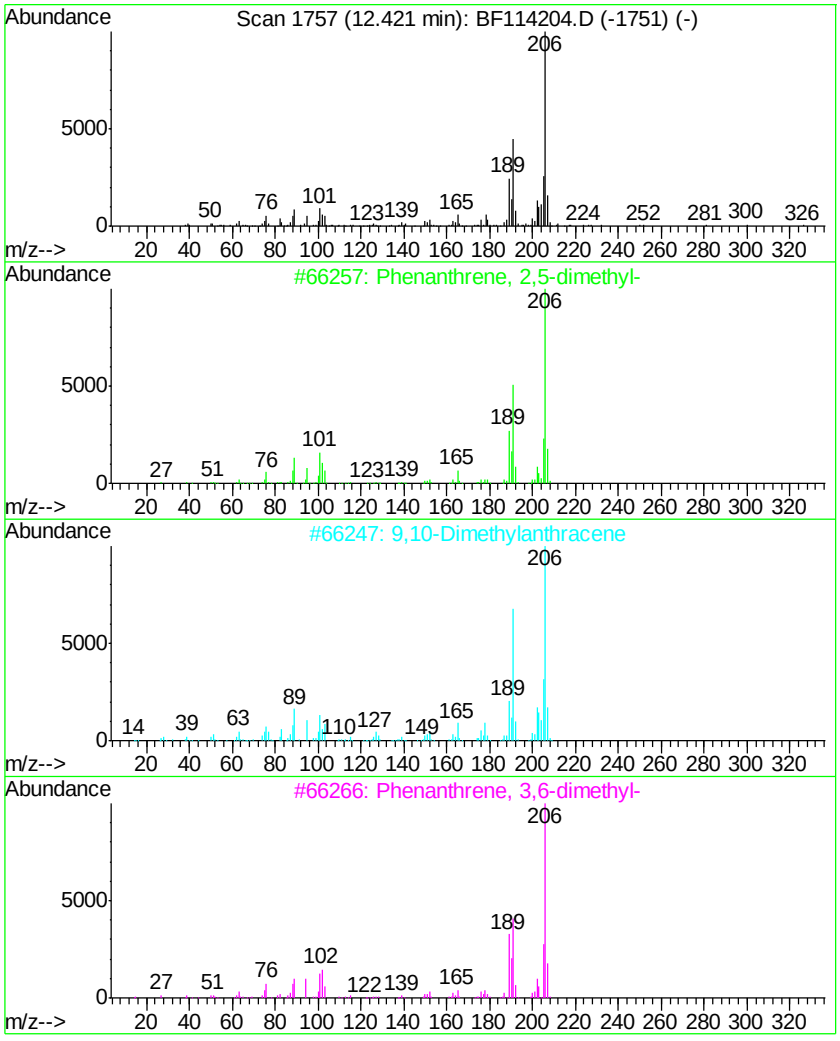
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

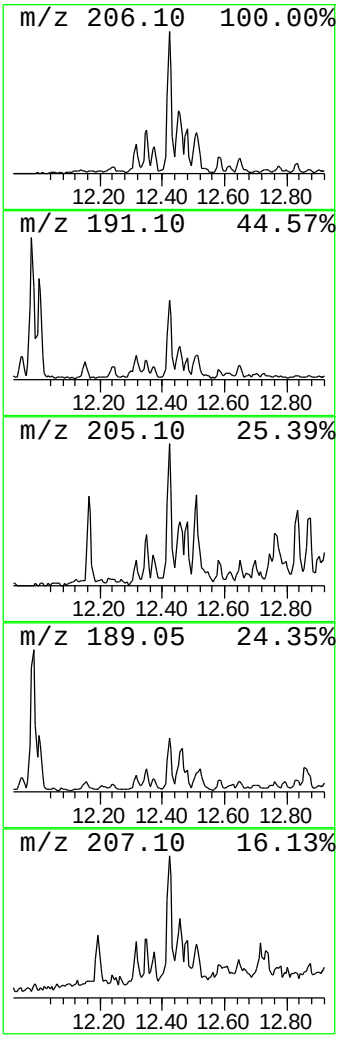
****

Peak Number 6 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	3.10 ng	325174	Phenanthrene-d10	11.37

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	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114204.D
Acq On : 12 May 2019 20:24
Operator : JU/SJ
Sample : K2766-20 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS009-0612-01

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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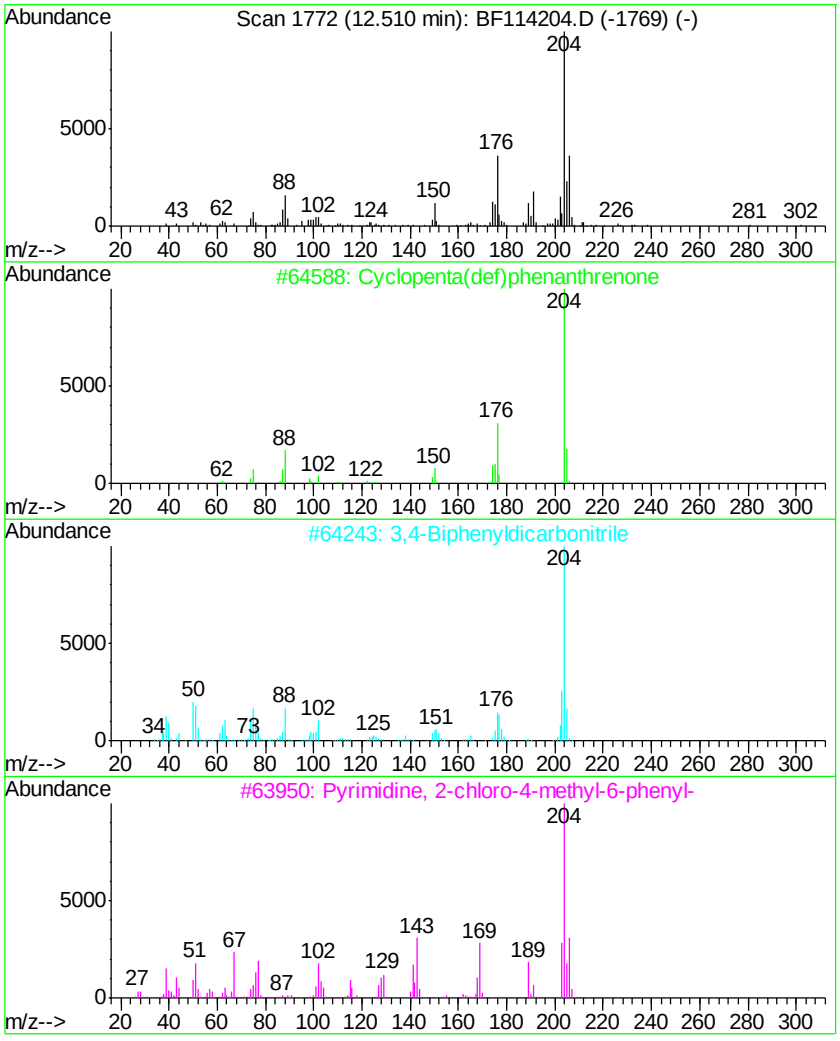
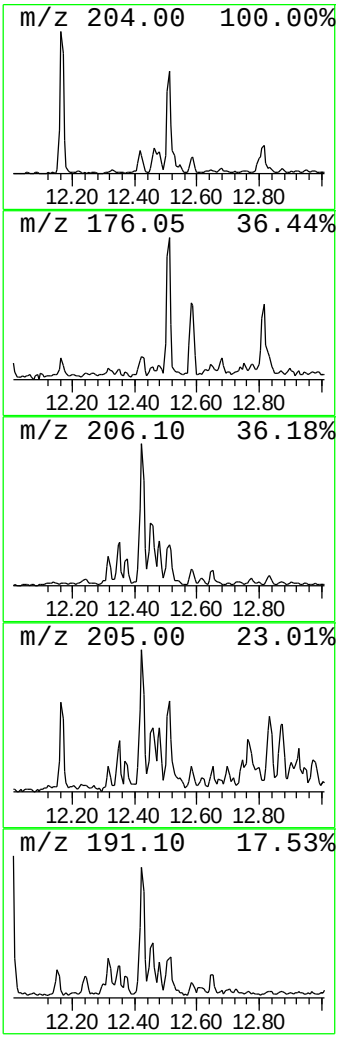
Peak Number 7 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	2.17 ng	228350	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53
3	Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	50
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47





Library Search Compound Report

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Data File : BF114204.D
Acq On : 12 May 2019 20:24
Operator : JU/SJ
Sample : K2766-20 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS009-0612-01

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

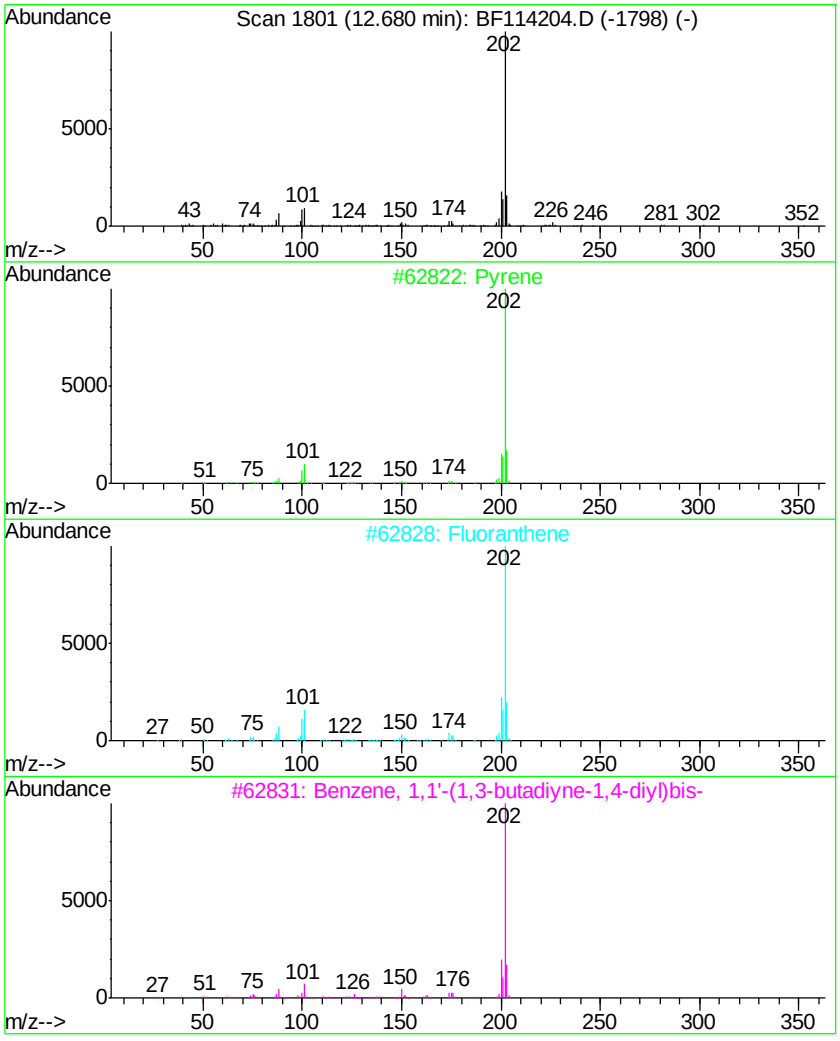
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

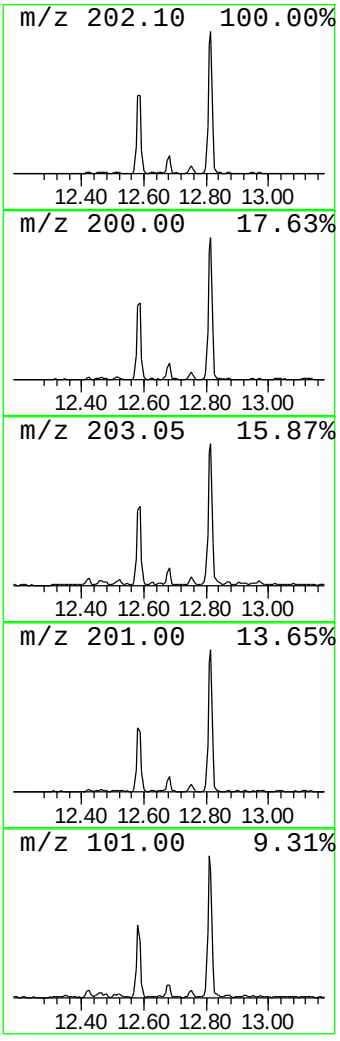
****

Peak Number 8 4,4'-Bis(tetrahydrothiopyran) Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	2.13 ng	223372	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene	202	C16H10	000129-00-0	95
2	Fluoranthene	202	C16H10	000206-44-0	95
3	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	80
4	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	52
5	l-Leucyl-l-leucine, N,N'-dimethy...	528	C29H56N2O6	1000328-59-7	50





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Acq On : 12 May 2019 20:24
Operator : JU/SJ
Sample : K2766-20 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS009-0612-01

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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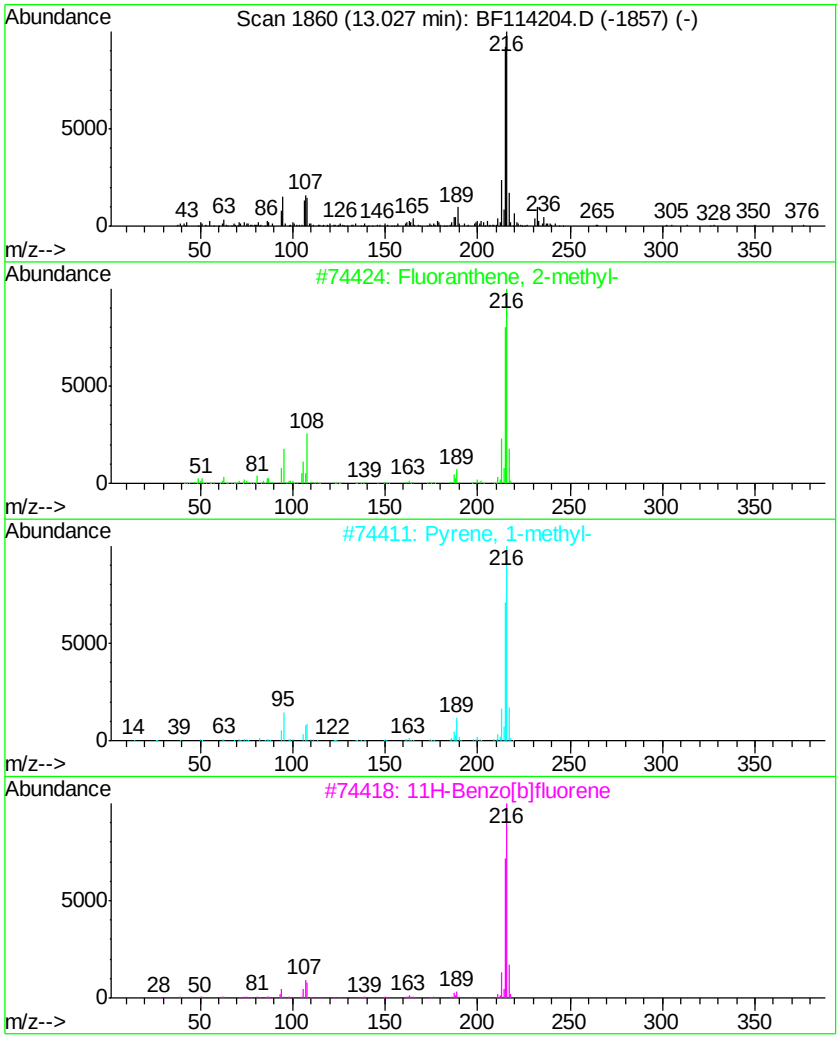
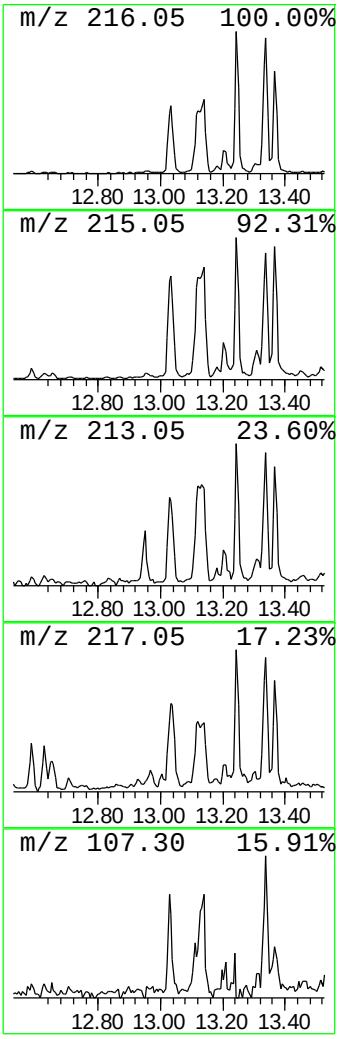
Peak Number 9 Fluoranthene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	2.57 ng	342526	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86





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Acq On : 12 May 2019 20:24
Operator : JU/SJ
Sample : K2766-20 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS009-0612-01

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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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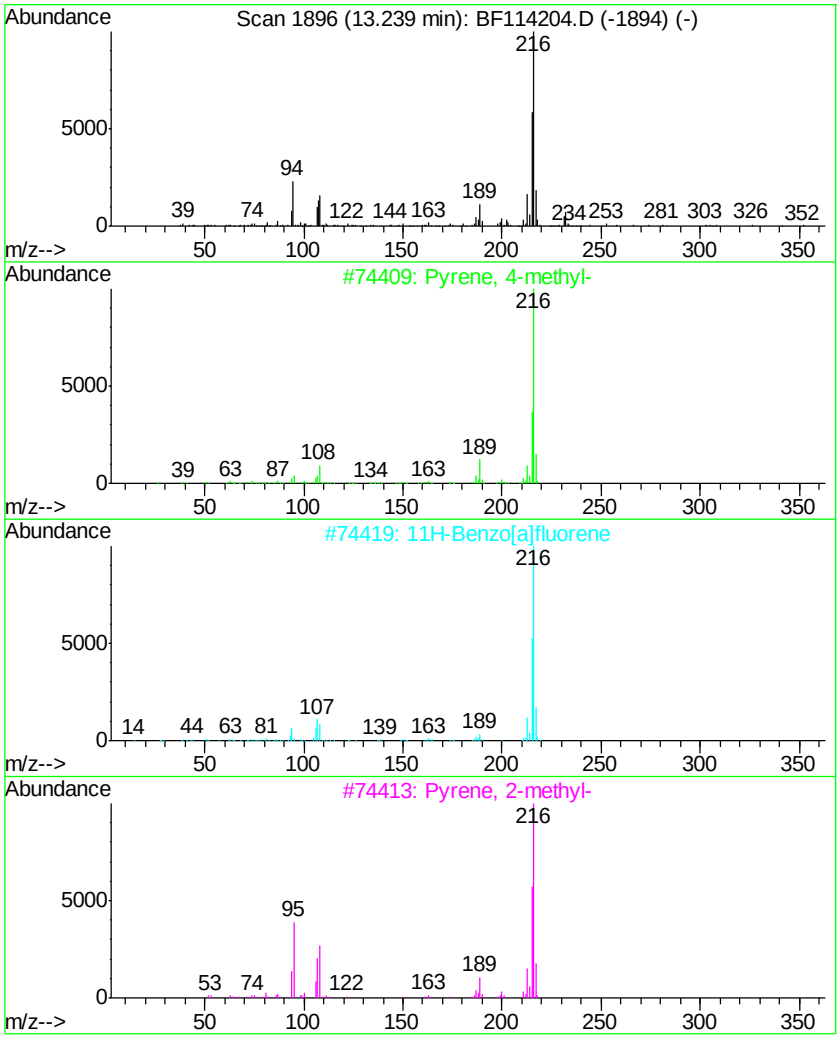
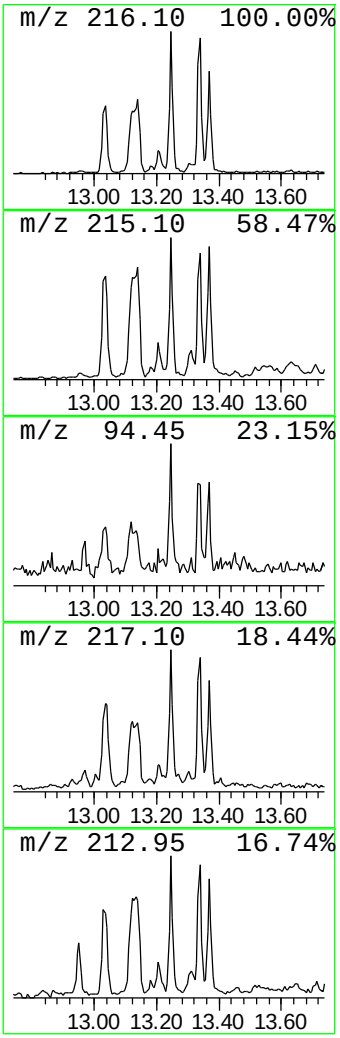
Peak Number 10 Pyrene, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.24	2.15 ng	285722	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4-methyl-	216	C17H12	003353-12-6	96
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	95
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90





Library Search Compound Report

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Data File : BF114204.D
Acq On : 12 May 2019 20:24
Operator : JU/SJ
Sample : K2766-20 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS009-0612-01

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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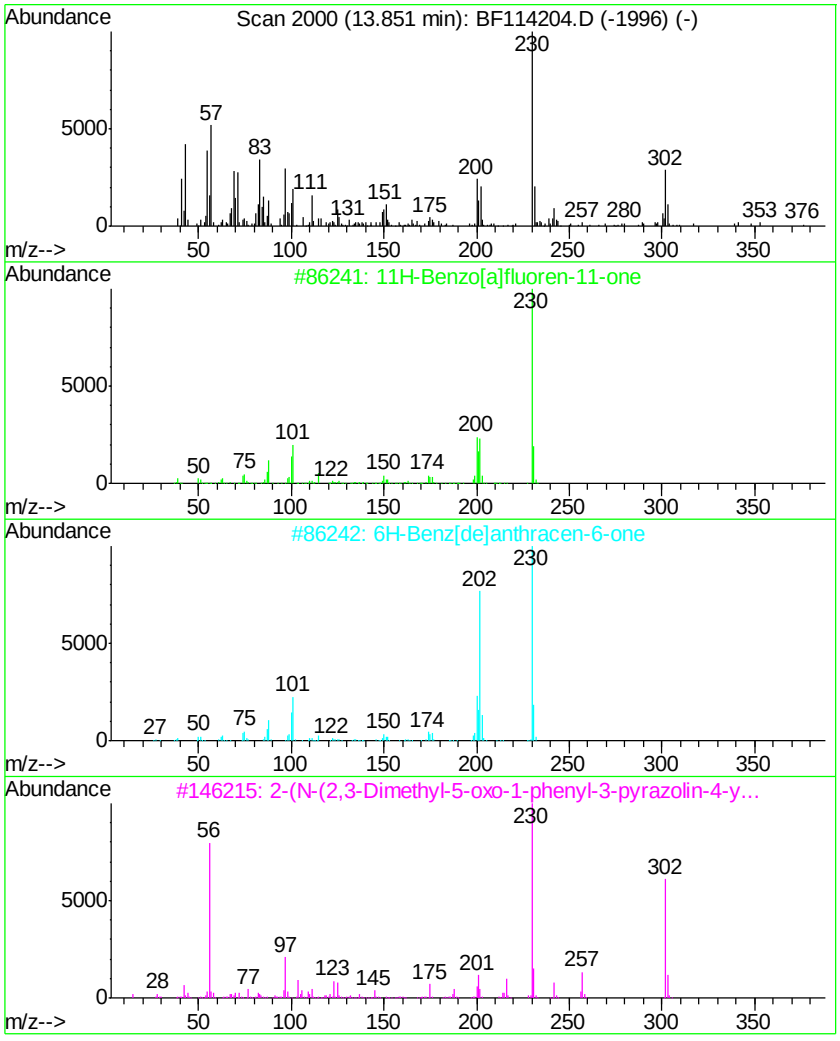
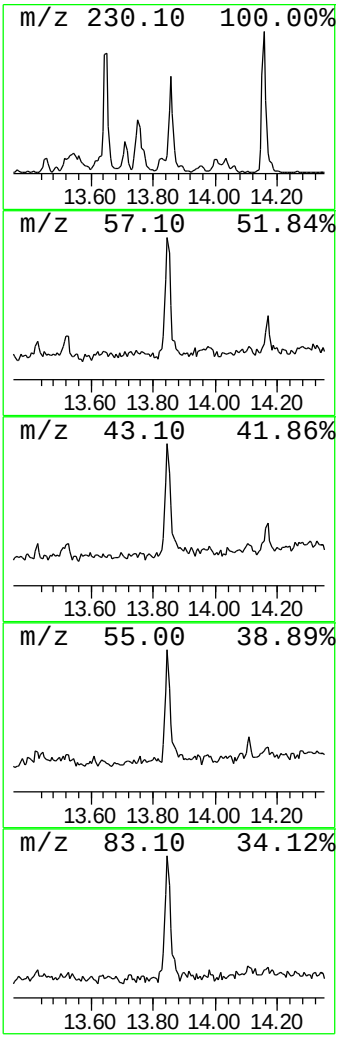
Peak Number 11 11H-Benzo[a]fluoren-11-one Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	3.12 ng	414816	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	91
2	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	70
3	2-(N-(2,3-Dimethyl-5-oxo-1-phenyl...	302	C16H22N4O2	1000242-38-0	68
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	55
5	p-Terphenyl	230	C18H14	000092-94-4	38





Library Search Compound Report

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Data File : BF114204.D
Acq On : 12 May 2019 20:24
Operator : JU/SJ
Sample : K2766-20 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS009-0612-01

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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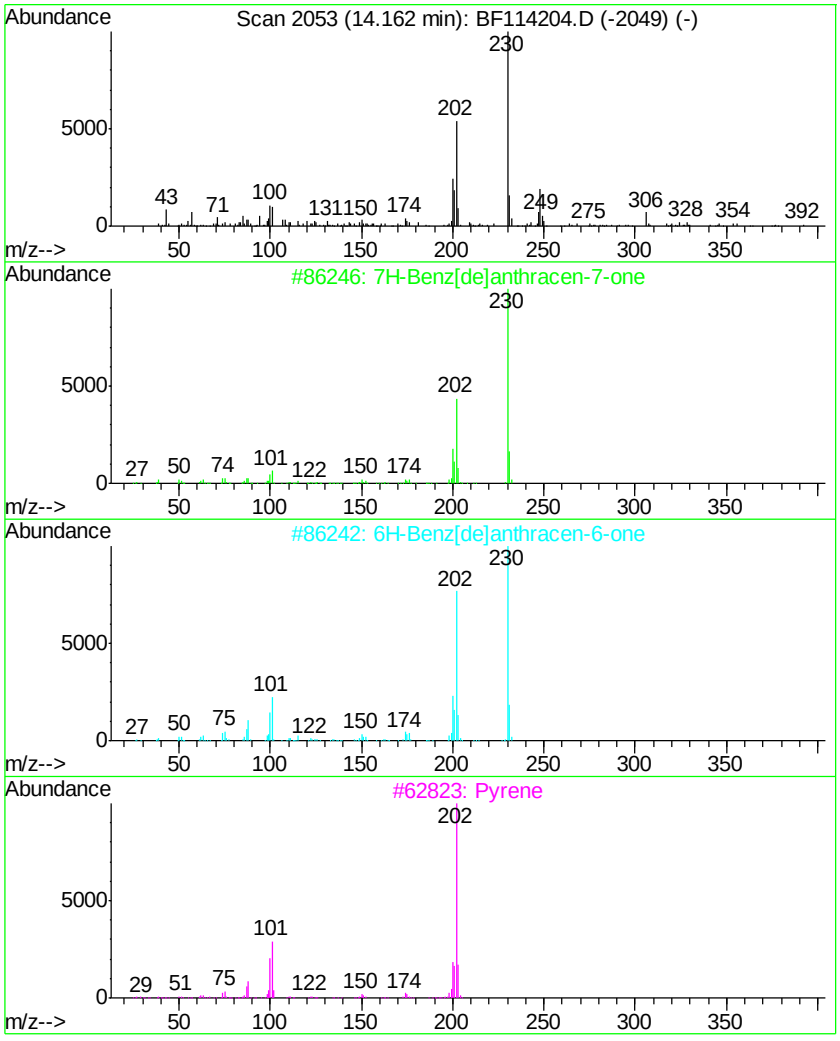
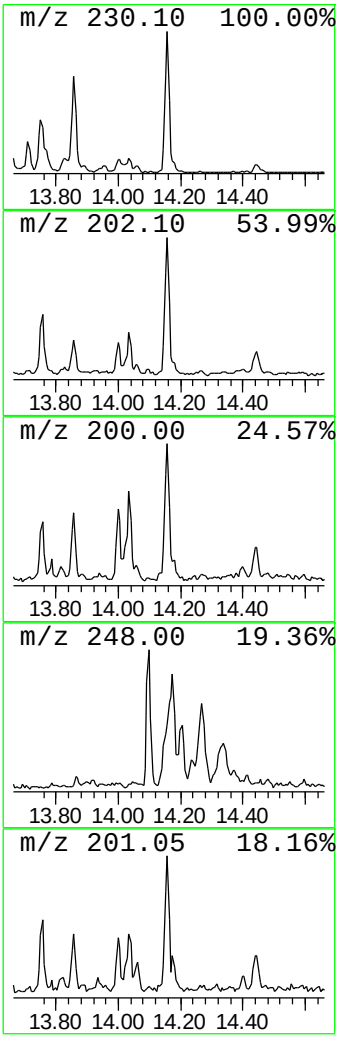
Peak Number 12 7H-Benz[de]anthracen-7-one Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.16	2.53 ng	336913	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	94
2	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	94
3	Pyrene	202	C16H10	000129-00-0	86
4	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	59
5	9-Chloro-1-phenazinol	230	C12H7ClN2O	091268-03-0	59





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Acq On : 12 May 2019 20:24
Operator : JU/SJ
Sample : K2766-20 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS009-0612-01

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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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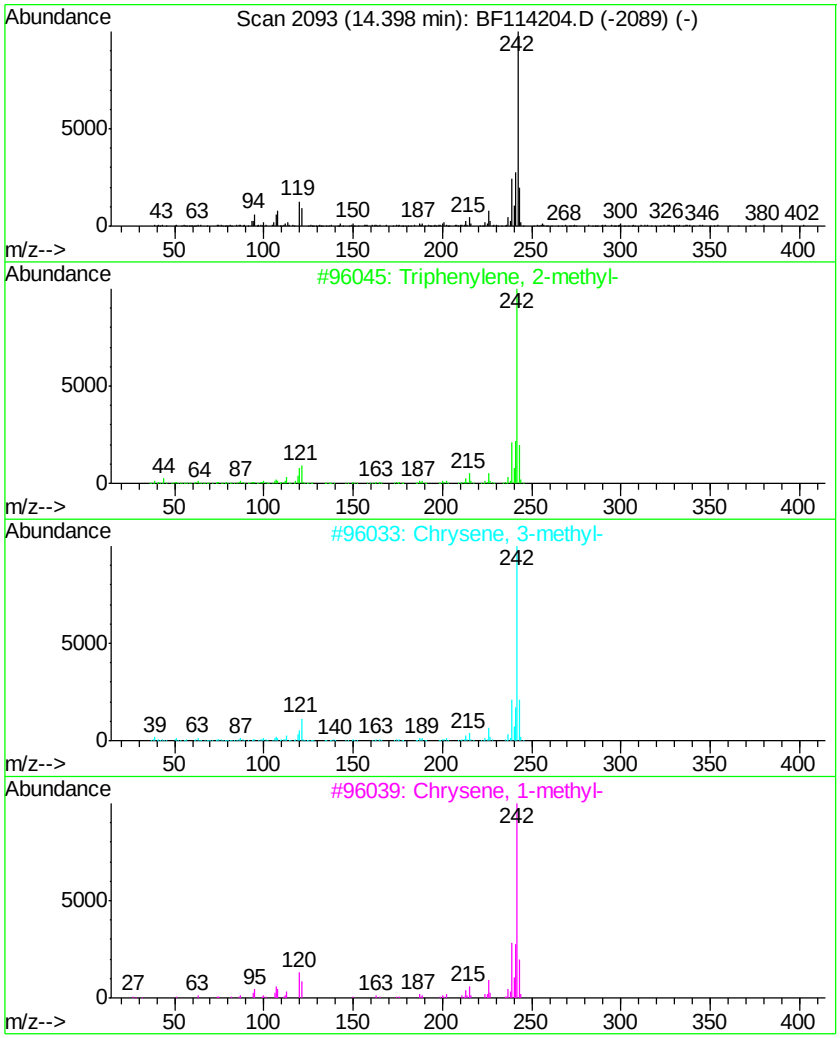
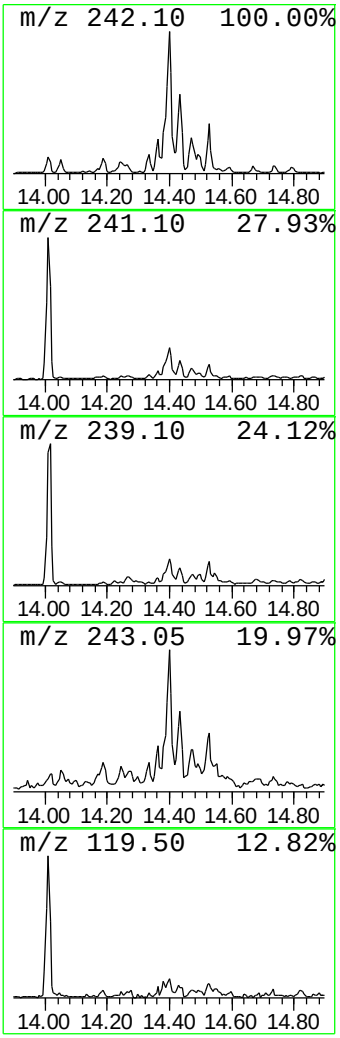
Peak Number 13 Triphenylene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.40	2.73 ng	363332	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	95
2	Chrysene, 3-methyl-	242	C19H14	003351-31-3	95
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
4	Benz[a]anthracene, 4-methyl-	242	C19H14	000316-49-4	93
5	Benz[a]anthracene, 2-methyl-	242	C19H14	002498-76-2	93





Library Search Compound Report

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Data File : BF114204.D
Acq On : 12 May 2019 20:24
Operator : JU/SJ
Sample : K2766-20 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS009-0612-01

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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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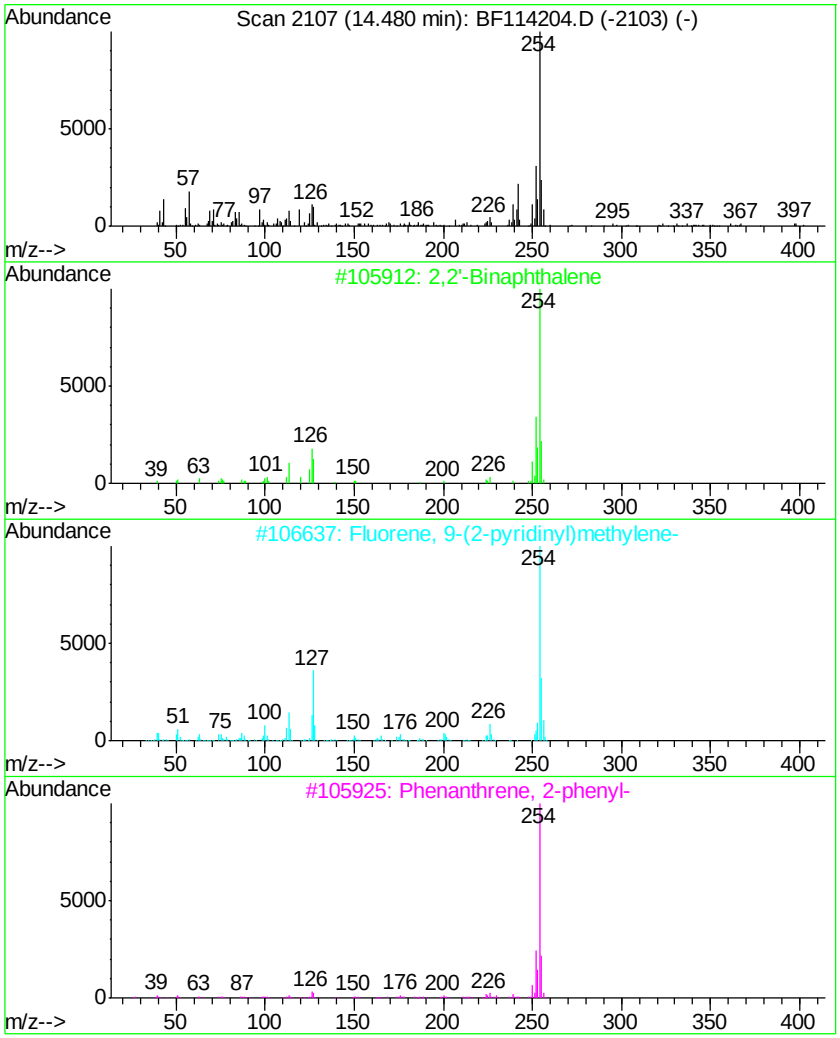
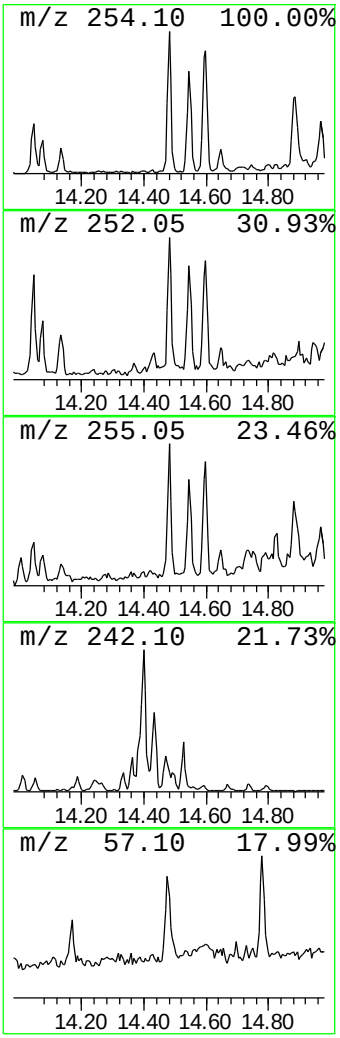
Peak Number 14 2,2'-Binaphthalene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.48	2.42 ng	321970	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2'-Binaphthalene	254	C20H14	000612-78-2	86
2	Fluorene, 9-(2-pyridinyl)methylene-	255	C19H13N	002871-27-4	83
3	Phenanthrene, 2-phenyl-	254	C20H14	004325-77-3	70
4	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	49
5	6-Methyl-1-pyridin-2-ylmethylene...	254	C14H10N2O3	1000274-64-8	47





Library Search Compound Report

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Acq On : 12 May 2019 20:24
Operator : JU/SJ
Sample : K2766-20 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS009-0612-01

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

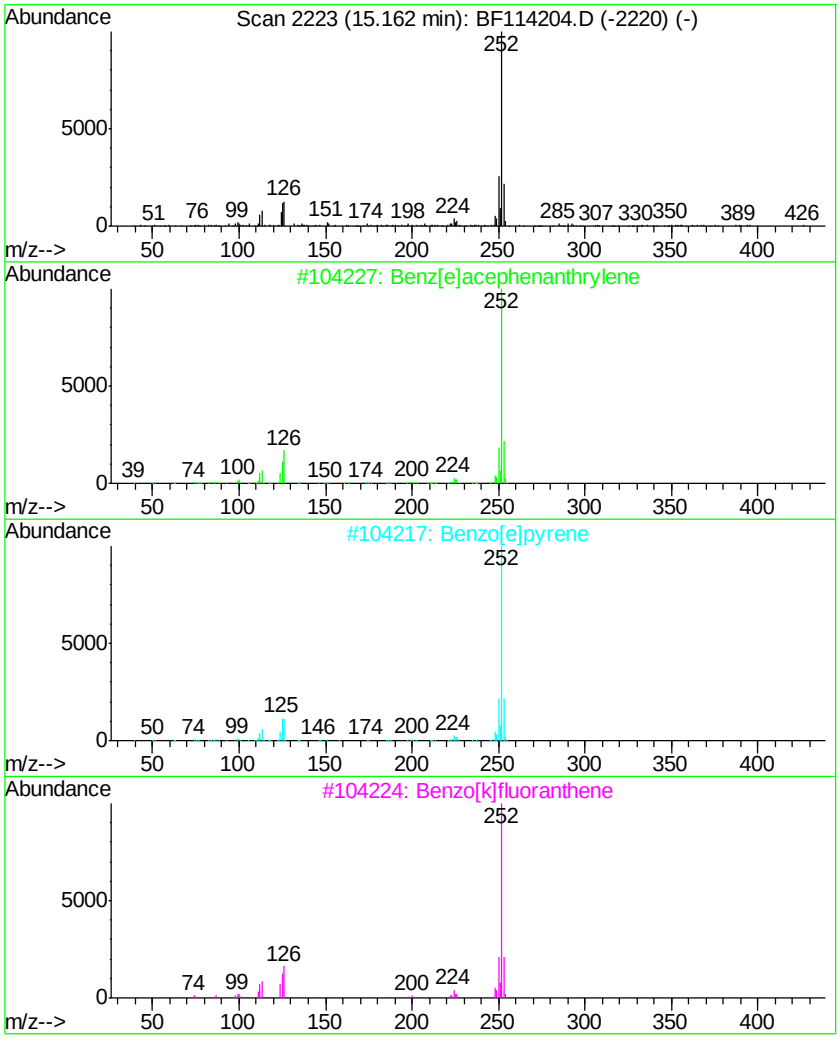
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

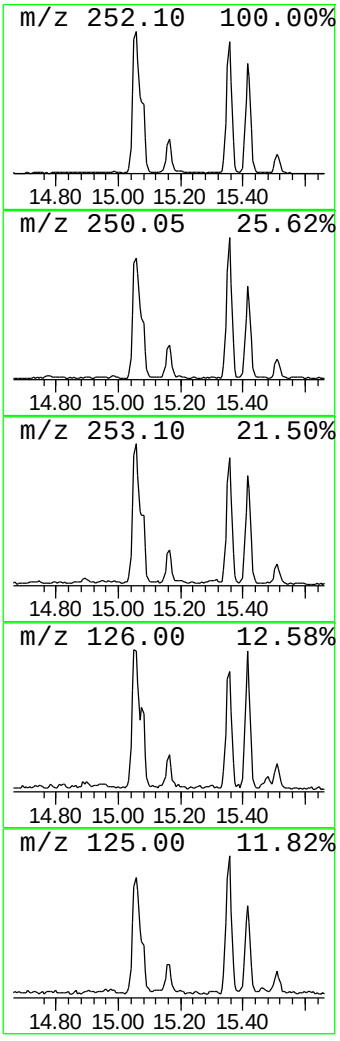
****

Peak Number 15 unknown15.16 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	2.09 ng	200757	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	99
2	Benzo[e]pyrene	252	C20H12	000192-97-2	98
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Perylene	252	C20H12	000198-55-0	90





Library Search Compound Report

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Acq On : 12 May 2019 20:24
Operator : JU/SJ
Sample : K2766-20 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS009-0612-01

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

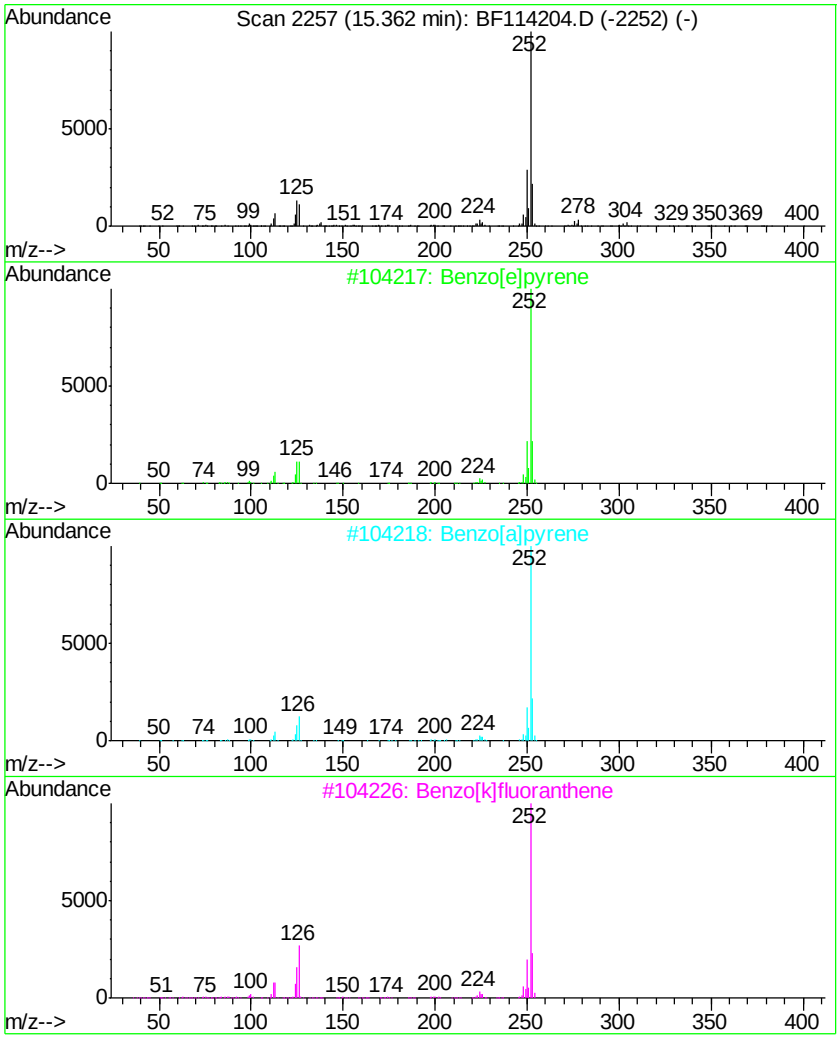
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

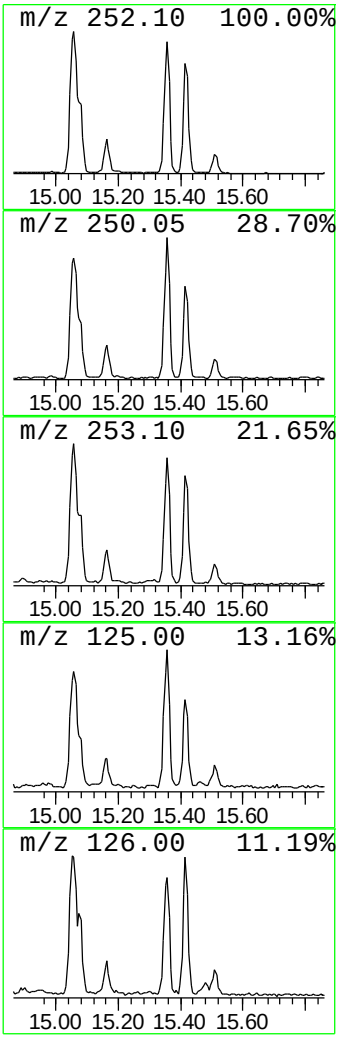
****

Peak Number 16 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	7.92 ng	761210	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	95
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Perylene	252	C20H12	000198-55-0	90
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	89





Tentatively Identified Compound (LSC) summary

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Data File : BF114204.D
Acq On : 12 May 2019 20:24
Operator : JU/SJ
Sample : K2766-20 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS009-0612-01

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
unknown6.62	6.62	20.1	ng	1560500	1	6.85	1549970	20.0
Anthracene, 2-met...	11.87	2.0	ng	215689	4	11.37	2100170	20.0
Phenanthrene, 2-m...	11.90	3.5	ng	364945	4	11.37	2100170	20.0
Phenanthrene, 1-m...	11.98	3.6	ng	383203	4	11.37	2100170	20.0
Phenanthrene, 2,5...	12.42	3.1	ng	325174	4	11.37	2100170	20.0
Cyclopenta(def)ph...	12.51	2.2	ng	228350	4	11.37	2100170	20.0
4,4'-Bis(tetrahyd...	12.68	2.1	ng	223372	4	11.37	2100170	20.0
Fluoranthene, 2-m...	13.03	2.6	ng	342526	5	14.01	2662310	20.0
Pyrene, 4-methyl-	13.24	2.1	ng	285722	5	14.01	2662310	20.0
11H-Benzo[a]fluor...	13.85	3.1	ng	414816	5	14.01	2662310	20.0
7H-Benz[de]anthra...	14.16	2.5	ng	336913	5	14.01	2662310	20.0
Triphenylene, 2-m...	14.40	2.7	ng	363332	5	14.01	2662310	20.0
2,2'-Binaphthalene	14.48	2.4	ng	321970	5	14.01	2662310	20.0
unknown15.16	15.16	2.1	ng	200757	6	15.48	1921410	20.0
Benzo[e]pyrene	15.36	7.9	ng	761210	6	15.48	1921410	20.0