LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062018\
Data File : BF106642.D
Acq On : 21 Jun 2018 1:30
Operator : JU/SJ
Sample : J3575-10 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-12

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-BF061918.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	5.184	481	484	491	rBV	30571	29540	2.39%	0.177%
2	5.601	552	555	562	rBV	416853	365548	29.61%	2.191%
3	5.801	586	589	595	rBV	26607	33330	2.70%	0.200%
4	6.601	722	725	733	rBV	435646	372397	30.16%	2.232%
5	6.737	744	748	751	rBV	448724	385711	31.24%	2.312%
6	6.790	753	757	762	rBV2	25134	31712	2.57%	0.190%
7	6.960	782	786	789	rBV	600262	492196	39.86%	2.950%
8	7.113	809	812	816	rVB	369046	290133	23.50%	1.739%
9	7.219	826	830	837	rBV	33195	39990	3.24%	0.240%
10	7.519	877	881	884	rBV	263377	223513	18.10%	1.340%
11	8.242	1000	1004	1007	rVV	745469	599338	48.54%	3.593%
12	9.313	1182	1186	1193	rBV	485647	388383	31.46%	2.328%
13	9.384	1195	1198	1203	rVB2	29985	29684	2.40%	0.178%
14	9.654	1241	1244	1246	rVV	21435	20926	1.69%	0.125%
15	9.701	1246	1252	1259	rVB3	77952	95947	7.77%	0.575%
16	9.860	1272	1279	1281	rBV2	52802	52158	4.22%	0.313%
17	9.907	1284	1287	1291	rVB2	49016	49893	4.04%	0.299%
18	10.001	1300	1303	1307	rBV	701204	566913	45.92%	3.398%
19	10.031	1307	1308	1315	rVB4	17595	19616	1.59%	0.118%
20	10.236	1340	1343	1347	rVB3	23404	21359	1.73%	0.128%
21	10.313	1353	1356	1359	rBV2	30653	35508	2.88%	0.213%
22	10.407	1368	1372	1377	rBV2	49744	63070	5.11%	0.378%
23	10.631	1406	1410	1412	rVB3	25673	27377	2.22%	0.164%
24	10.789	1434	1437	1441	rBV	234764	204214	16.54%	1.224%
25	10.883	1450	1453	1454	rBV	32456	25249	2.05%	0.151%
26	10.983	1467	1470	1472	rBV	21364	18287	1.48%	0.110%
27	11.095	1484	1489	1492	rBV5	21351	35626	2.89%	0.214%
28	11.178	1501	1503	1506	rVB2	26902	22681	1.84%	0.136%
29	11.289	1519	1522	1525	rBV5	27279	30413	2.46%	0.182%
30	11.336	1527	1530	1532	rVV3	34994	36397	2.95%	0.218%
31	11.360	1532	1534	1536	rVV3	22389	21472	1.74%	0.129%
32	11.383	1536	1538	1543	rVB4	17329	22750	1.84%	0.136%
33	11.489	1553	1556	1559	rBV	585491	559885	45.35%	3.356%
34	11.513	1559	1560	1564	rVV	112637	87589	7.09%	0.525%

LSC Area Percent Report

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Acq On : 21 Jun 2018 1:30
Operator : JU/SJ
Sample : J3575-10 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-12

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-BF061918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.566	1567	1569	1571	rBV	36008	29029	2.35%	0.174%
36	11.601	1571	1575	1577	rVV2	17761	24661	2.00%	0.148%
37	11.719	1592	1595	1598	rBV4	23642	36707	2.97%	0.220%
38	11.760	1600	1602	1604	rVB2	34239	28546	2.31%	0.171%
39	11.783	1604	1606	1608	rBV	25084	17667	1.43%	0.106%
40	11.825	1608	1613	1617	rVV3	27275	40191	3.26%	0.241%
41	11.948	1631	1634	1636	rBV3	15985	17210	1.39%	0.103%
42	11.995	1639	1642	1644	rVV	88581	92409	7.48%	0.554%
43	12.019	1644	1646	1650	rVB	117268	110619	8.96%	0.663%
44	12.066	1650	1654	1657	rBV2	59701	78554	6.36%	0.471%
45	12.107	1657	1661	1663	rVV2	160602	201280	16.30%	1.207%
46	12.130	1663	1665	1668	rVB	95939	80329	6.51%	0.482%
47	12.172	1670	1672	1675	rBV3	35738	33106	2.68%	0.198%
48	12.225	1678	1681	1684	rVB2	34019	30185	2.44%	0.181%
49	12.289	1689	1692	1694	rBV2	54688	55064	4.46%	0.330%
50	12.366	1702	1705	1708	rBV2	21406	22038	1.78%	0.132%
51	12.419	1711	1714	1715	rVV3	40128	32096	2.60%	0.192%
52	12.436	1715	1717	1720	rVV	51814	45880	3.72%	0.275%
53	12.466	1720	1722	1724	rVV	49809	37471	3.03%	0.225%
54	12.489	1724	1726	1729	rVB2	48087	46165	3.74%	0.277%
55	12.542	1732	1735	1738	rBV	238925	258650	20.95%	1.550%
56	12.583	1739	1742	1744	rVV2	86759	102011	8.26%	0.611%
57	12.630	1747	1750	1754	rBV2	116575	177261	14.36%	1.063%
58	12.707	1760	1763	1767	rBV	429298	374155	30.30%	2.243%
59	12.748	1767	1770	1772	rVV3	65188	62144	5.03%	0.373%
60	12.772	1772	1774	1777	rVB2	69739	55655	4.51%	0.334%
61	12.866	1787	1790	1791	rBV2	63697	58996	4.78%	0.354%
62	12.883	1791	1793	1796	rVB2	70213	63354	5.13%	0.380%
63	12.942	1796	1803	1808	rBV	806120	905752	73.36%	5.429%
64	12.989	1808	1811	1815	rBV2	142131	153594	12.44%	0.921%
65	13.024	1815	1817	1819	rBV3	29855	35815	2.90%	0.215%
66	13.048	1819	1821	1823	rBV	39871	33243	2.69%	0.199%
67	13.072	1823	1825	1828	rBV	417020	386237	31.28%	2.315%
68	13.154	1836	1839	1846	rBV4	167169	302052	24.46%	1.811%
69	13.213	1846	1849	1851	rBV2	91036	101406	8.21%	0.608%
70	13.266	1851	1858	1861	rVB2	183417	350413	28.38%	2.101%
71	13.313	1864	1866	1867	rBV	50365	36219	2.93%	0.217%

LSC Area Percent Report

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Acq On : 21 Jun 2018 1:30
Operator : JU/SJ
Sample : J3575-10 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-12

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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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.330	1867	1869	1872	rVB	82112	66584	5.39%	0.399%
73	13.372	1872	1876	1879	rBV2	249697	262800	21.29%	1.575%
74	13.466	1889	1892	1895	rBV	275137	246642	19.98%	1.478%
75	13.495	1895	1897	1900	rVB	234660	215127	17.42%	1.290%
76	13.524	1900	1902	1906	rVB3	53100	58973	4.78%	0.354%
77	13.577	1908	1911	1914	rVB3	69043	85576	6.93%	0.513%
78	13.619	1915	1918	1919	rBV3	52945	51277	4.15%	0.307%
79	13.754	1938	1941	1943	rBV3	73698	90096	7.30%	0.540%
80	13.777	1943	1945	1949	rVB2	170091	177616	14.39%	1.065%
81	13.836	1953	1955	1958	rVB	76760	69298	5.61%	0.415%
82	13.895	1959	1965	1967	rBV4	132657	235997	19.11%	1.415%
83	13.919	1967	1969	1971	rVV	101252	76854	6.22%	0.461%
84	13.942	1971	1973	1978	rVV2	110158	156812	12.70%	0.940%
85	13.989	1979	1981	1984	rVB2	83870	86219	6.98%	0.517%
86	14.142	2002	2007	2010	rBV2	818837	1234659	100.00%	7.401%
87	14.171	2010	2012	2019	rVB	554299	535171	43.35%	3.208%
88	14.230	2019	2022	2023	rBV	82494	72124	5.84%	0.432%
89	14.254	2023	2026	2028	rBV	113396	104006	8.42%	0.623%
90	14.401	2049	2051	2054	rBV	77564	64363	5.21%	0.386%
91	14.495	2065	2067	2069	rBV	98514	88619	7.18%	0.531%
92	14.536	2069	2074	2077	rVV	371770	419514	33.98%	2.515%
93	14.571	2077	2080	2082	rVB	218922	195009	15.79%	1.169%
94	14.666	2093	2096	2098	rBV	256059	211122	17.10%	1.266%
95	15.224	2187	2191	2195	rBV2	278893	438996	35.56%	2.632%
96	15.548	2242	2246	2250	rVB	236723	292745	23.71%	1.755%
97	15.613	2253	2257	2263	rVB	366266	450035	36.45%	2.698%
98	15.677	2264	2268	2272	rBV	379443	518723	42.01%	3.109%
99	17.236	2531	2533	2540	rVB2	101917	166137	13.46%	0.996%
100	17.718	2611	2615	2622	rVB	108921	196038	15.88%	1.175%

Sum of corrected areas: 16682101

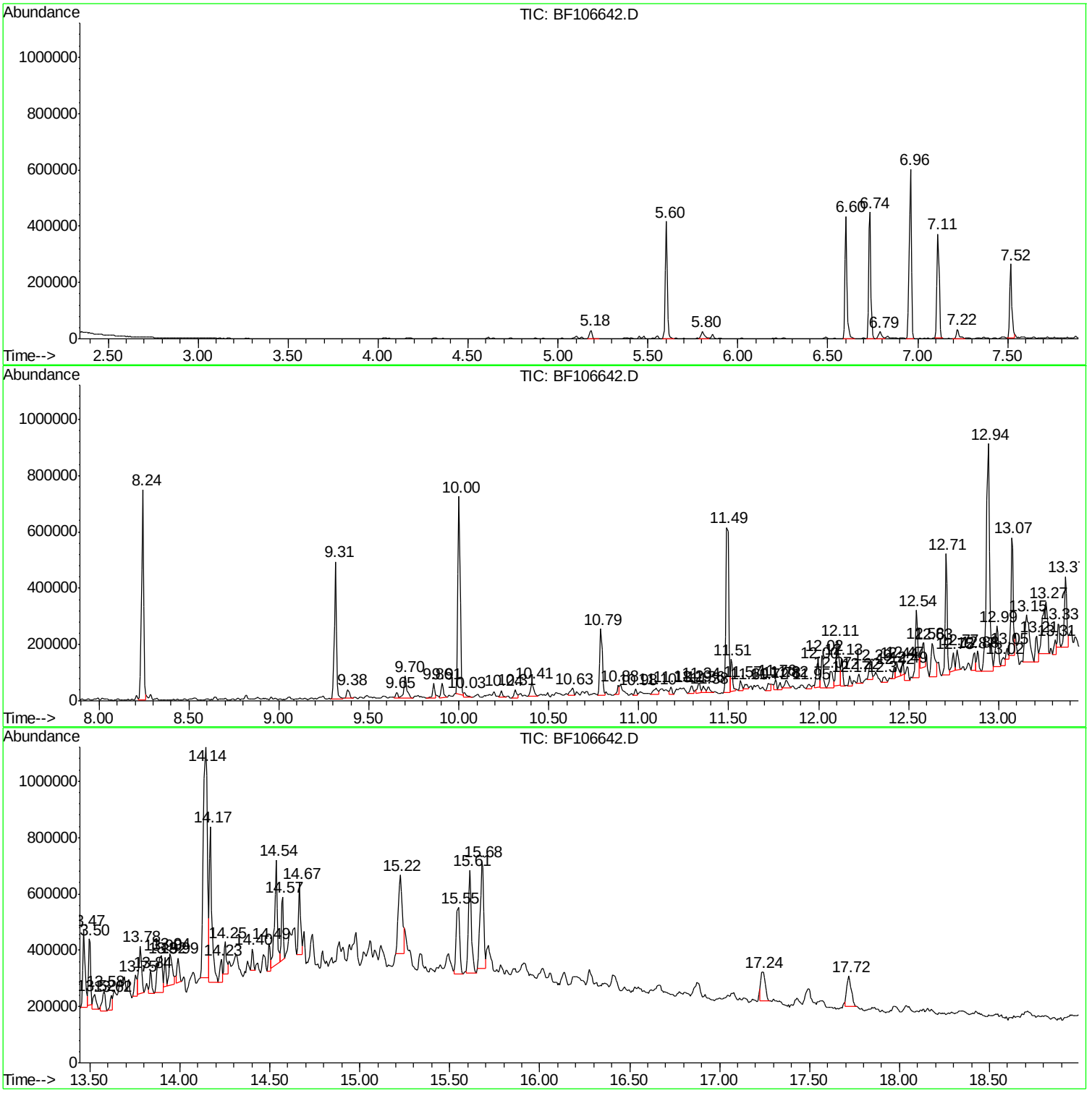
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062018\
Data File : BF106642.D
Acq On : 21 Jun 2018 1:30
Operator : JU/SJ
Sample : J3575-10 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-12

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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\BF062018\
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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

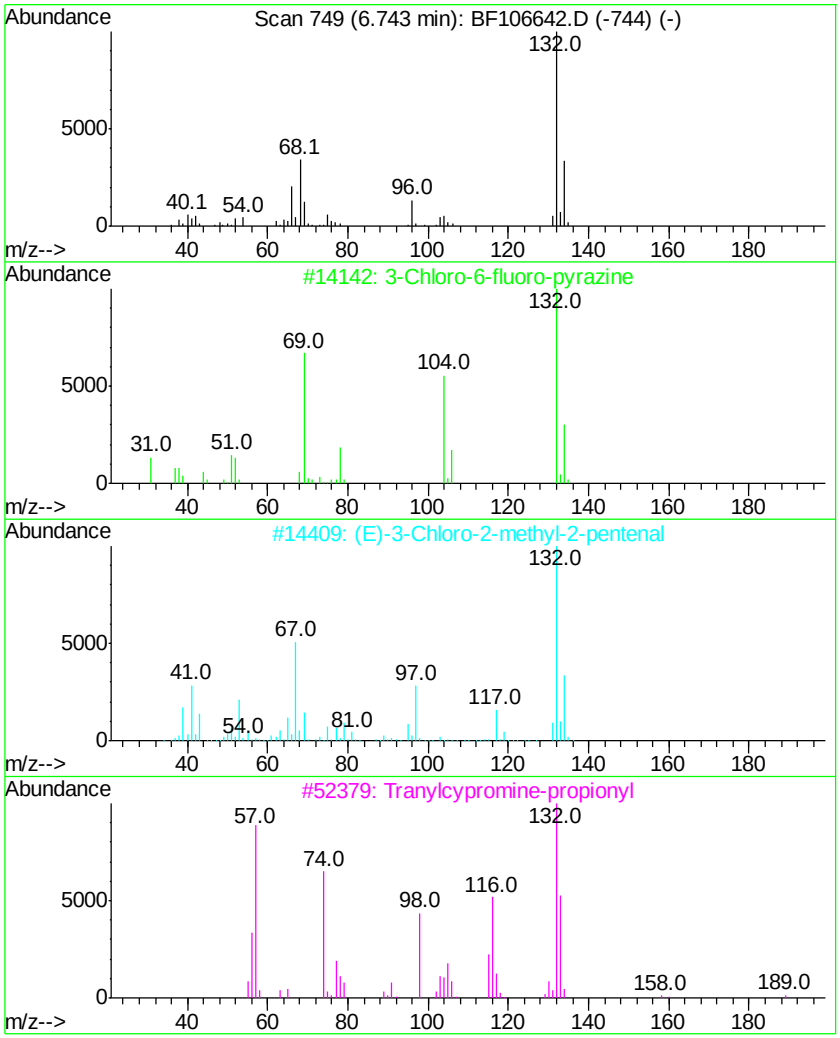
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

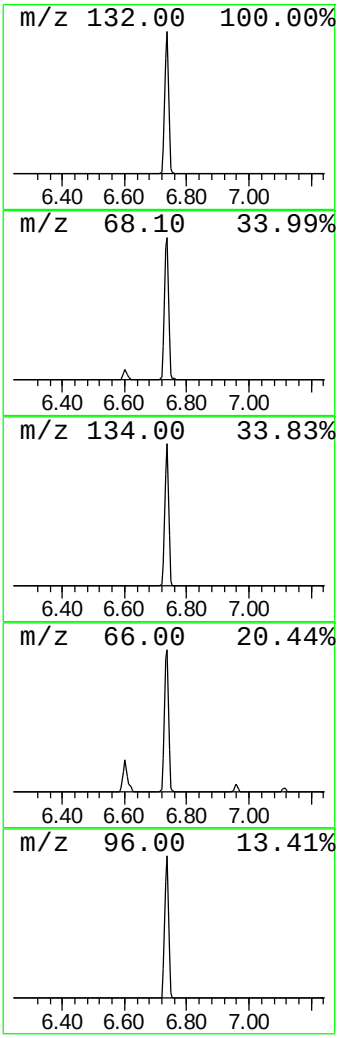
****

Peak Number 1 unknown6.74 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	15.67 ng	385711	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	5-Aminoindole	132	C8H8N2	005192-03-0	12
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062018\
Data File : BF106642.D
Acq On : 21 Jun 2018 1:30
Operator : JU/SJ
Sample : J3575-10 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-12

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

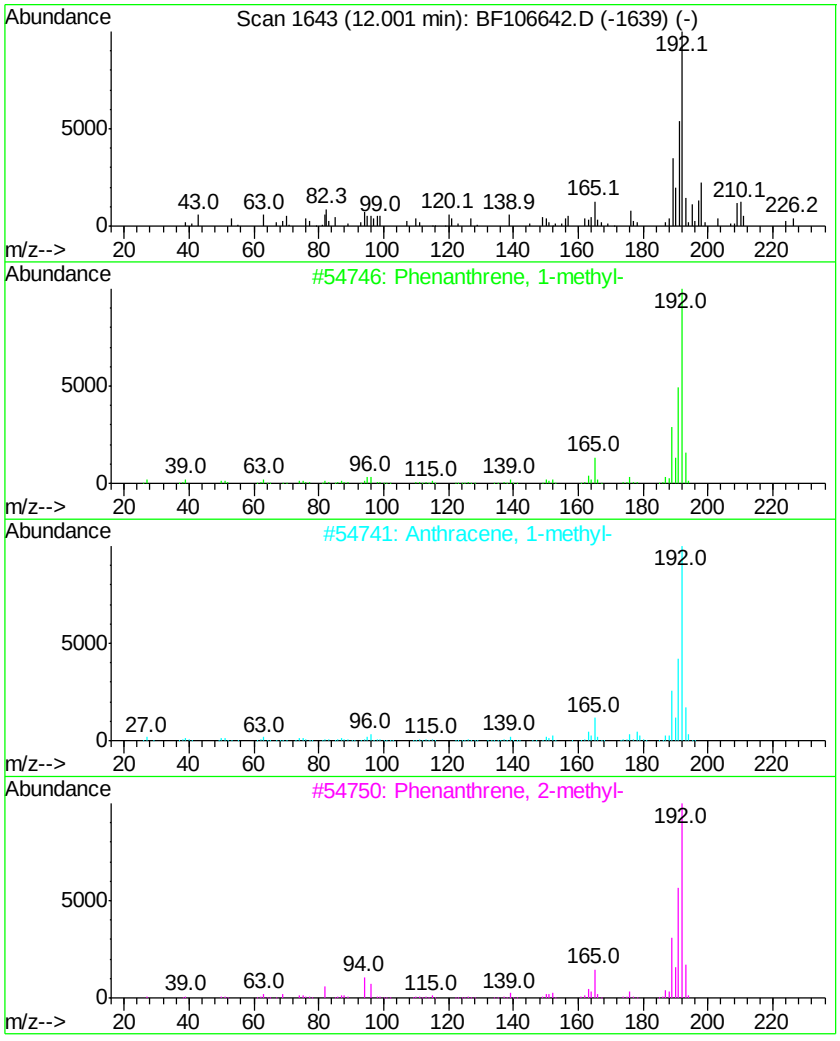
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

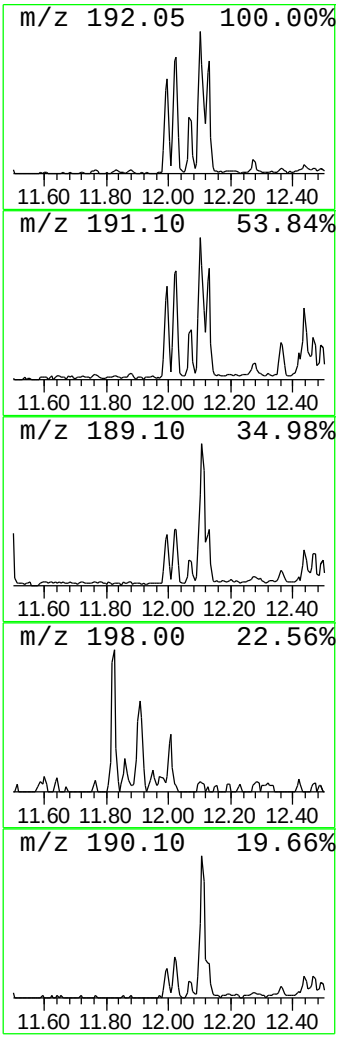
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	3.30 ng	92409	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062018\
Data File : BF106642.D
Acq On : 21 Jun 2018 1:30
Operator : JU/SJ
Sample : J3575-10 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-12

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

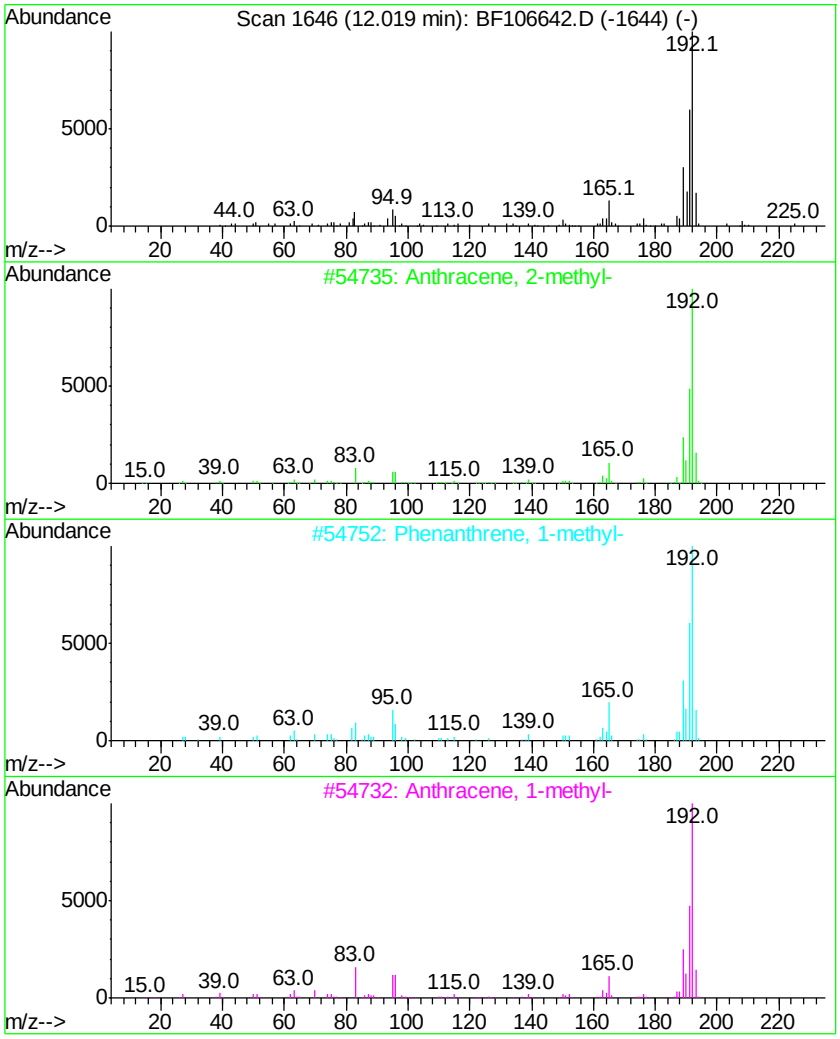
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

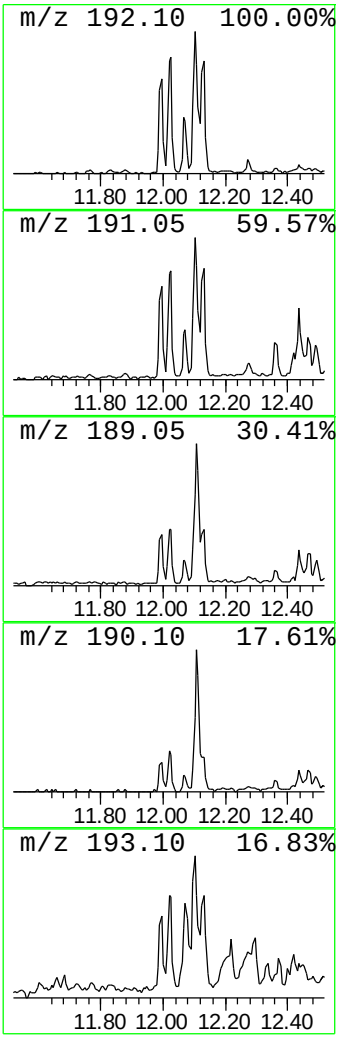
****

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	3.95 ng	110619	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062018\
Data File : BF106642.D
Acq On : 21 Jun 2018 1:30
Operator : JU/SJ
Sample : J3575-10 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-12

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

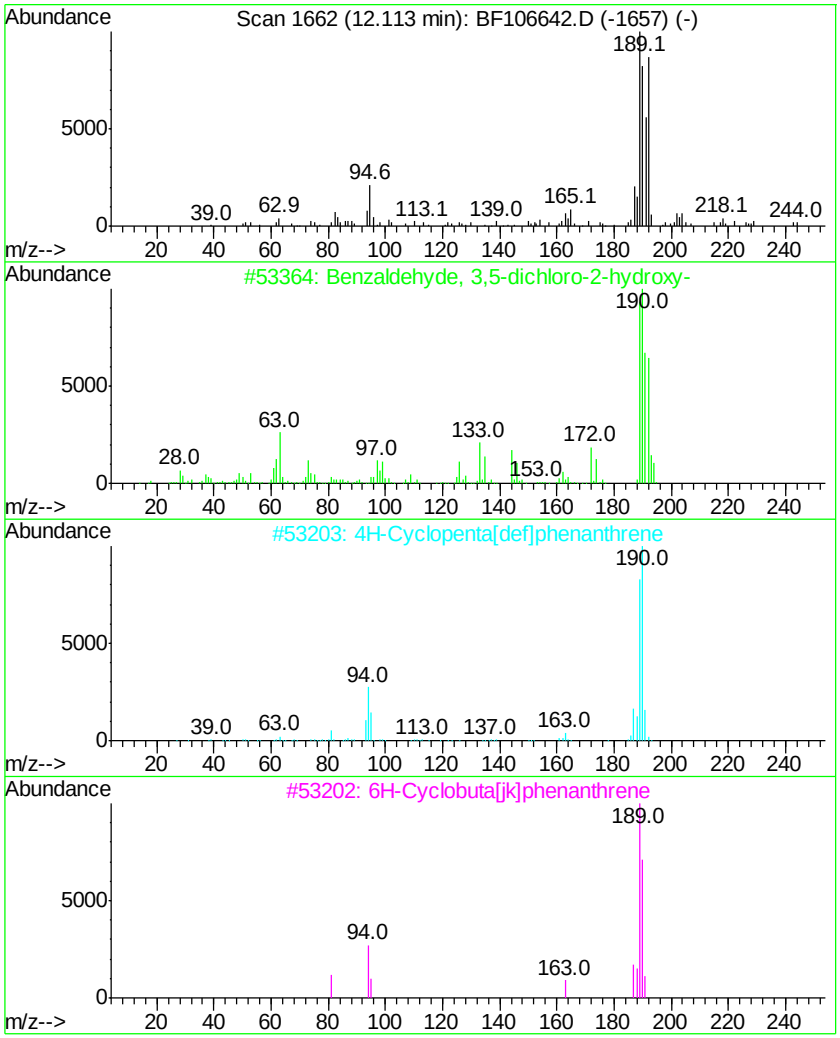
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

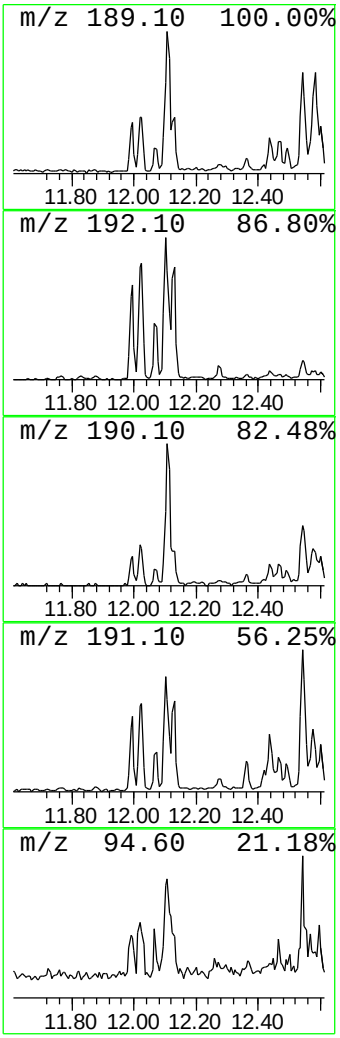
****

Peak Number 6 Benzaldehyde, 3,5-dichloro-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	7.19 ng	201280	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	53
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	46
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	43
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	41





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062018\
Data File : BF106642.D
Acq On : 21 Jun 2018 1:30
Operator : JU/SJ
Sample : J3575-10 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-12

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

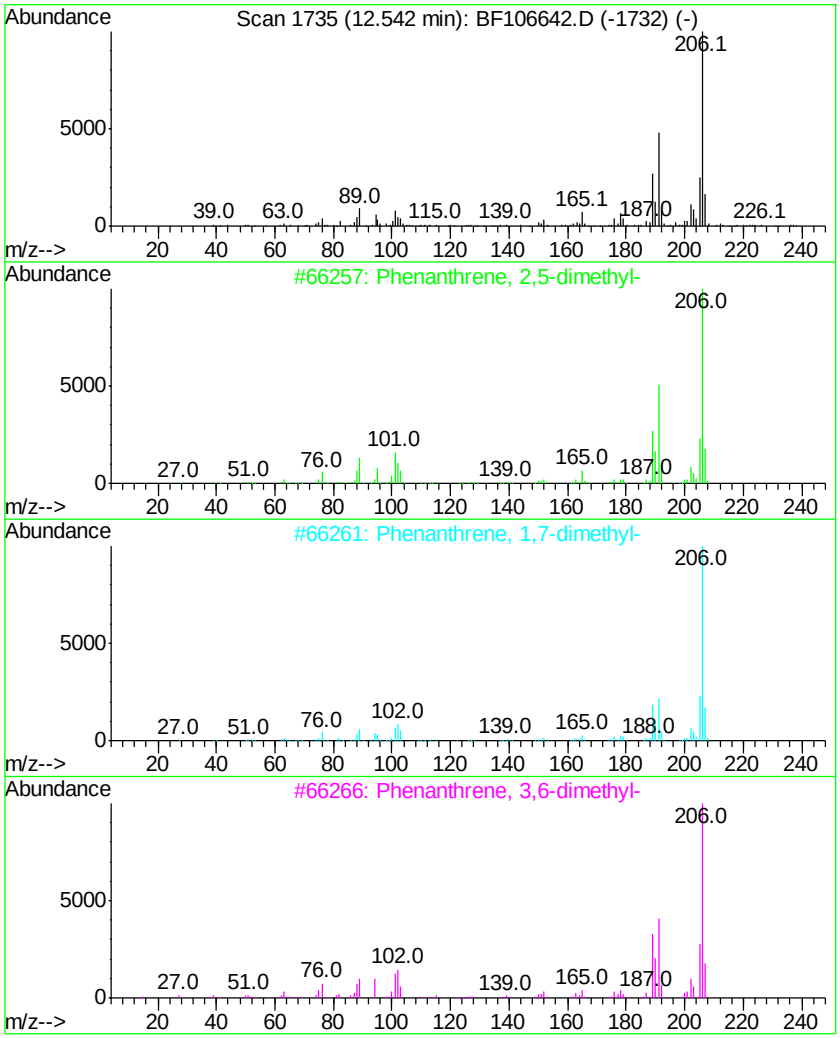
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

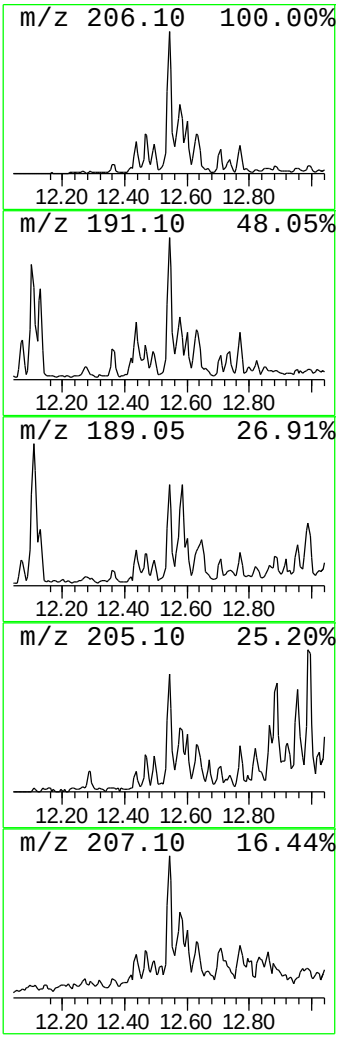
****

Peak Number 7 Phenanthrene, 2,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	9.24 ng	258650	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062018\
Data File : BF106642.D
Acq On : 21 Jun 2018 1:30
Operator : JU/SJ
Sample : J3575-10 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-12

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

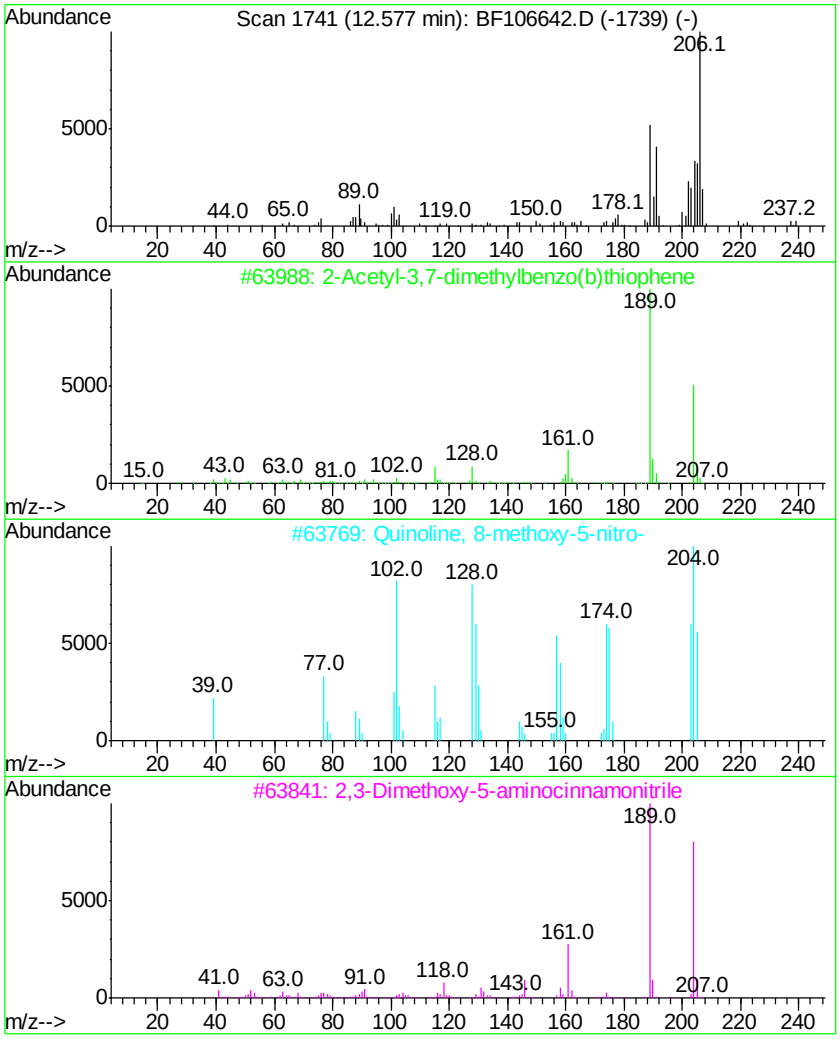
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

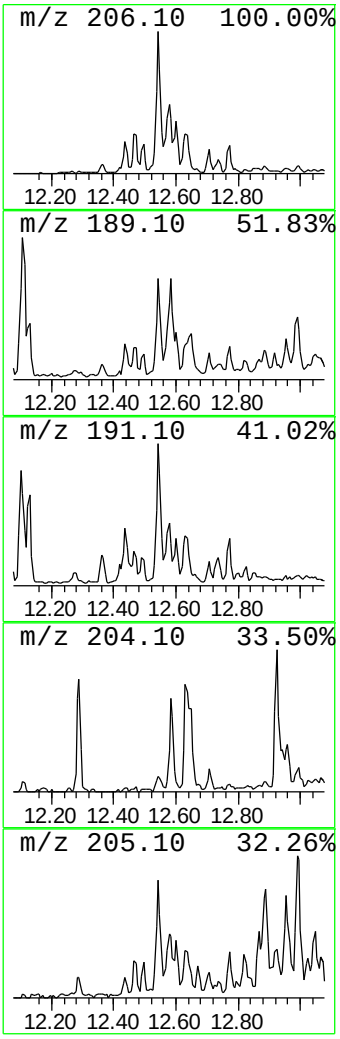
****

Peak Number 8 unknown12.58 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.58	3.64 ng	102011	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Acetyl-3,7-dimethylbenzo(b)thi...	204	C12H12OS	006179-06-2	43
2	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	38
3	2,3-Dimethoxy-5-aminocinnamonitrile	204	C11H12N2O2	1000214-46-5	38
4	3-Acetyl-2,5-dimethylbenzo(b)thi...	204	C12H12OS	006179-04-0	38
5	3H-3a,7-Methanoazulene, 2,4,5,6,...	204	C15H24	002387-78-2	38





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Sample : J3575-10 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-12

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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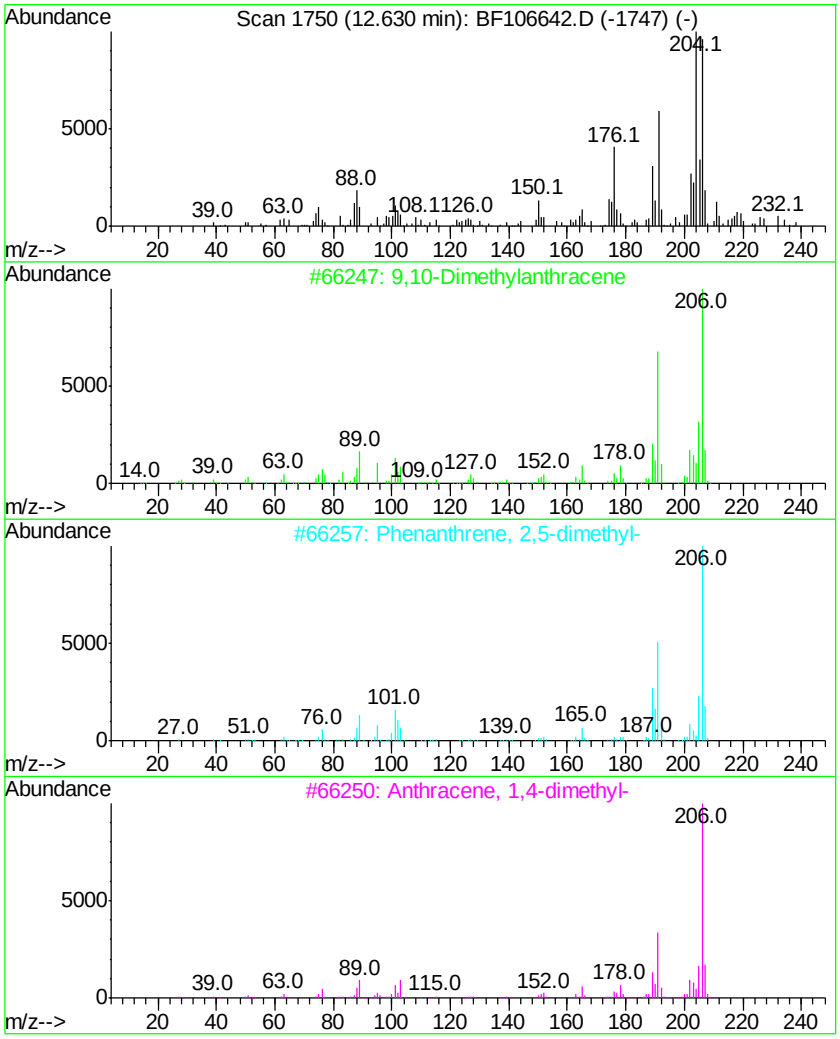
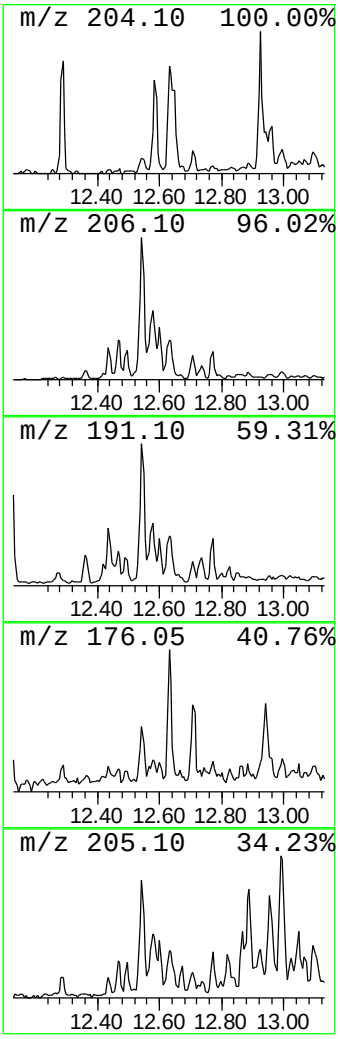
Peak Number 9 9,10-Dimethylanthracene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	6.33 ng	177261	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	64
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	52
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	46
4	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	46
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	46





Library Search Compound Report

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Data File : BF106642.D
Acq On : 21 Jun 2018 1:30
Operator : JU/SJ
Sample : J3575-10 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-12

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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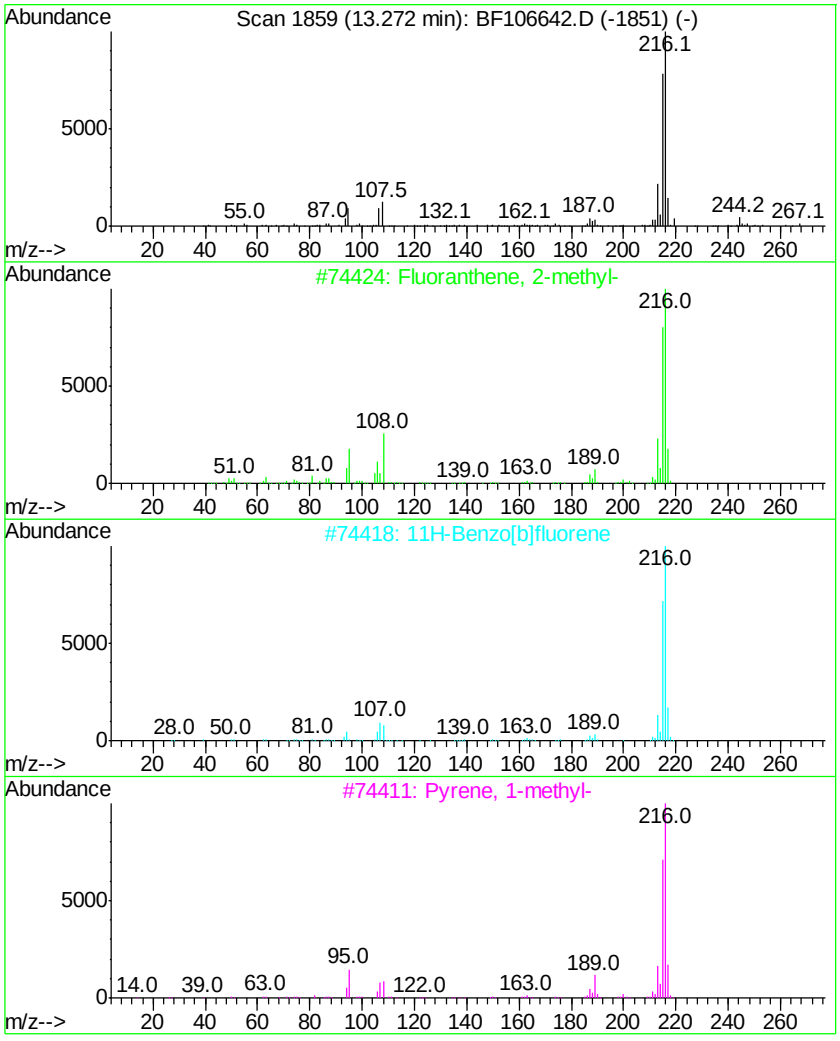
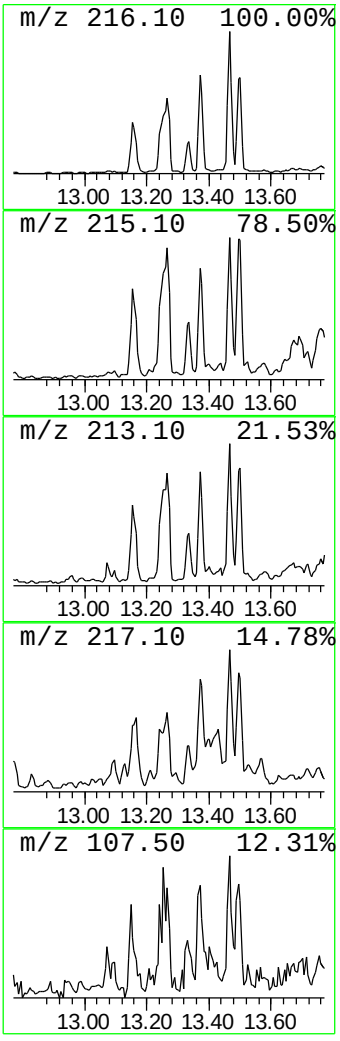
Peak Number 11 Fluoranthene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	5.68 ng	350413	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	62





Library Search Compound Report

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Acq On : 21 Jun 2018 1:30
Operator : JU/SJ
Sample : J3575-10 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-12

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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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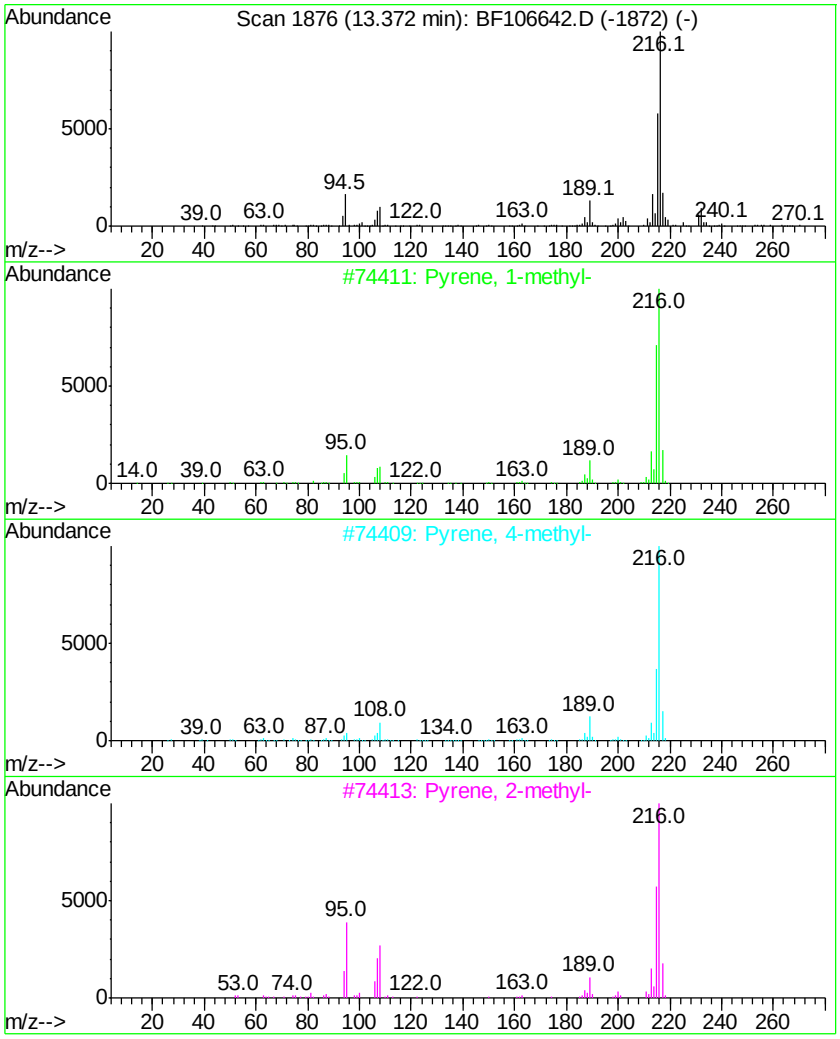
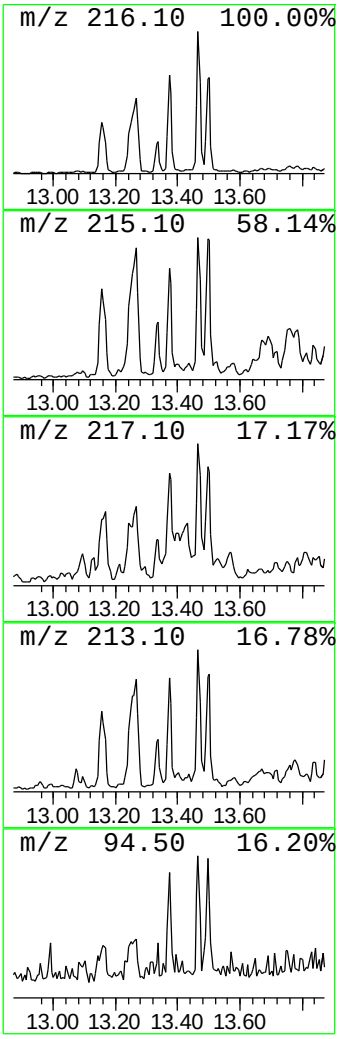
Peak Number 12 Pyrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.37	4.26 ng	262800	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





Library Search Compound Report

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Data File : BF106642.D
Acq On : 21 Jun 2018 1:30
Operator : JU/SJ
Sample : J3575-10 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-12

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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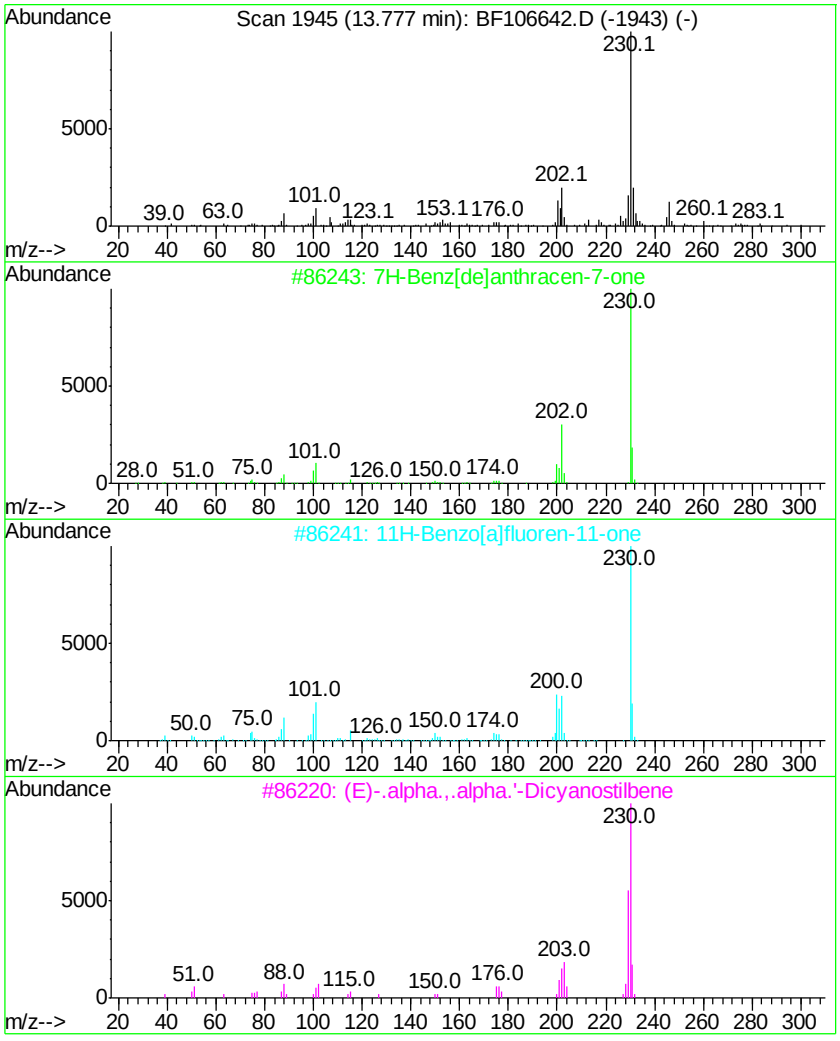
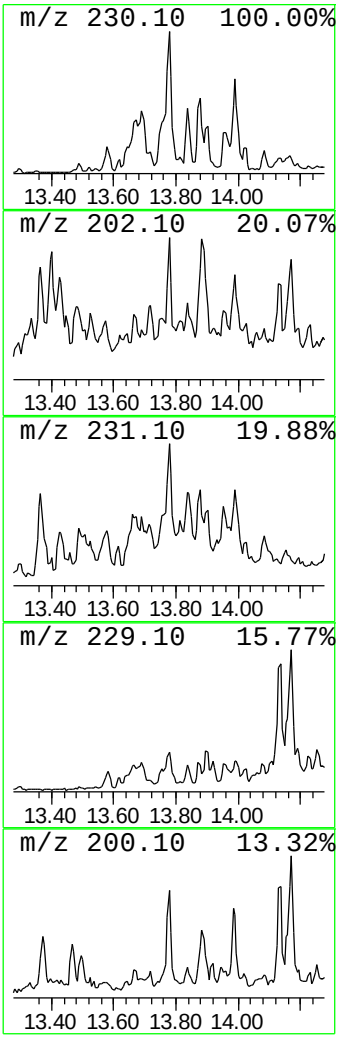
Peak Number 15 7H-Benz[de]anthracen-7-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.78	2.88 ng	177616	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	92
2	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	76
3	(E)-.alpha.,.alpha.'-Dicyanostil...	230	C16H10N2	002450-55-7	72
4	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	59
5	Benzo(b)phenazine	230	C16H10N2	000257-97-6	58





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Acq On : 21 Jun 2018 1:30
Operator : JU/SJ
Sample : J3575-10 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-12

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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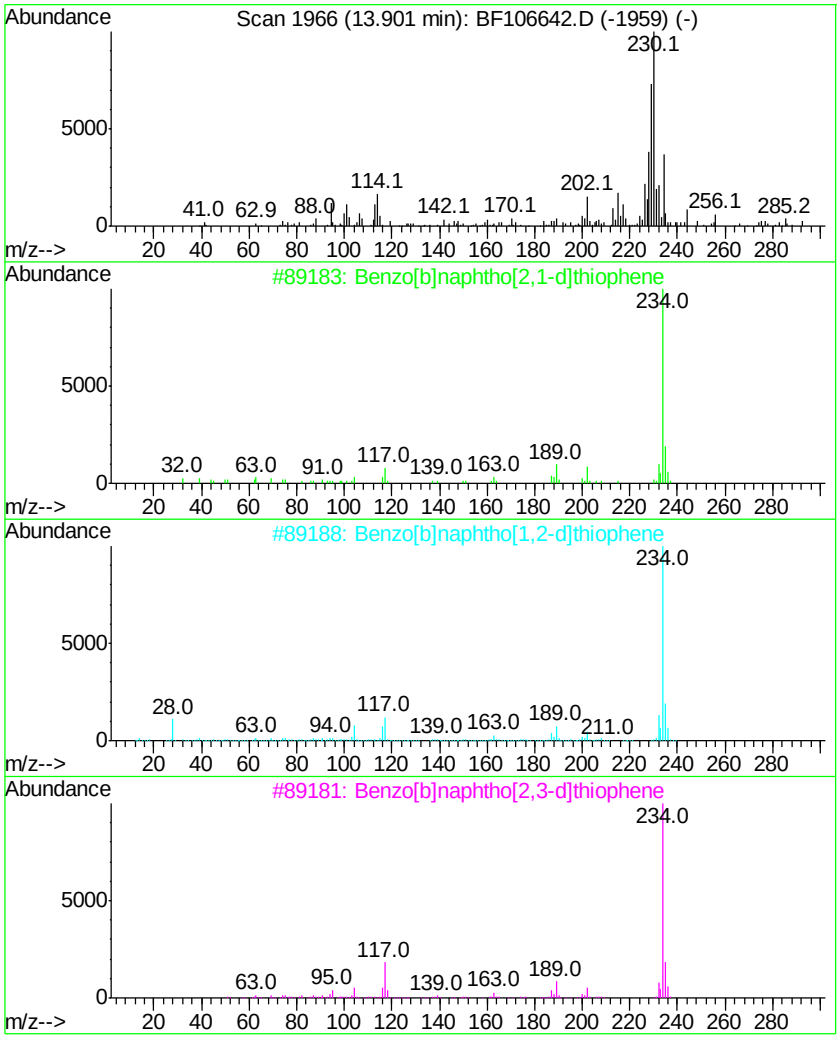
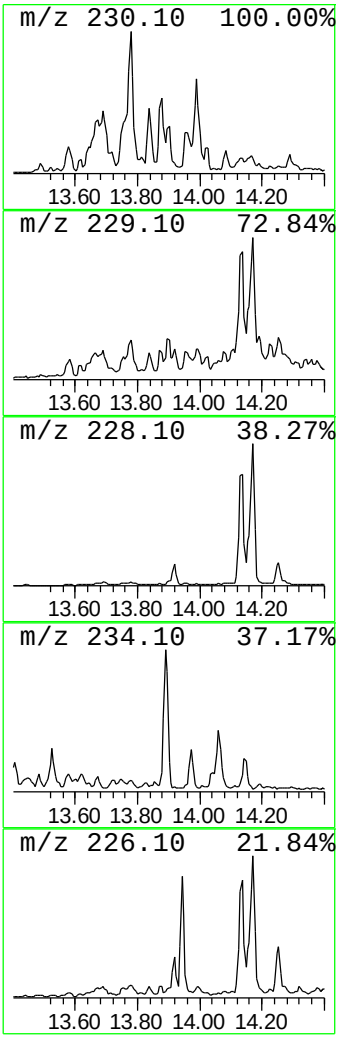
Peak Number 16 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	3.82 ng	235997	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	50
2	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	46
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	45
4	Phenanthro[4,3-b]thiophene	234	C16H10S	000195-68-6	41
5	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	41





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062018\
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Acq On : 21 Jun 2018 1:30
Operator : JU/SJ
Sample : J3575-10 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-12

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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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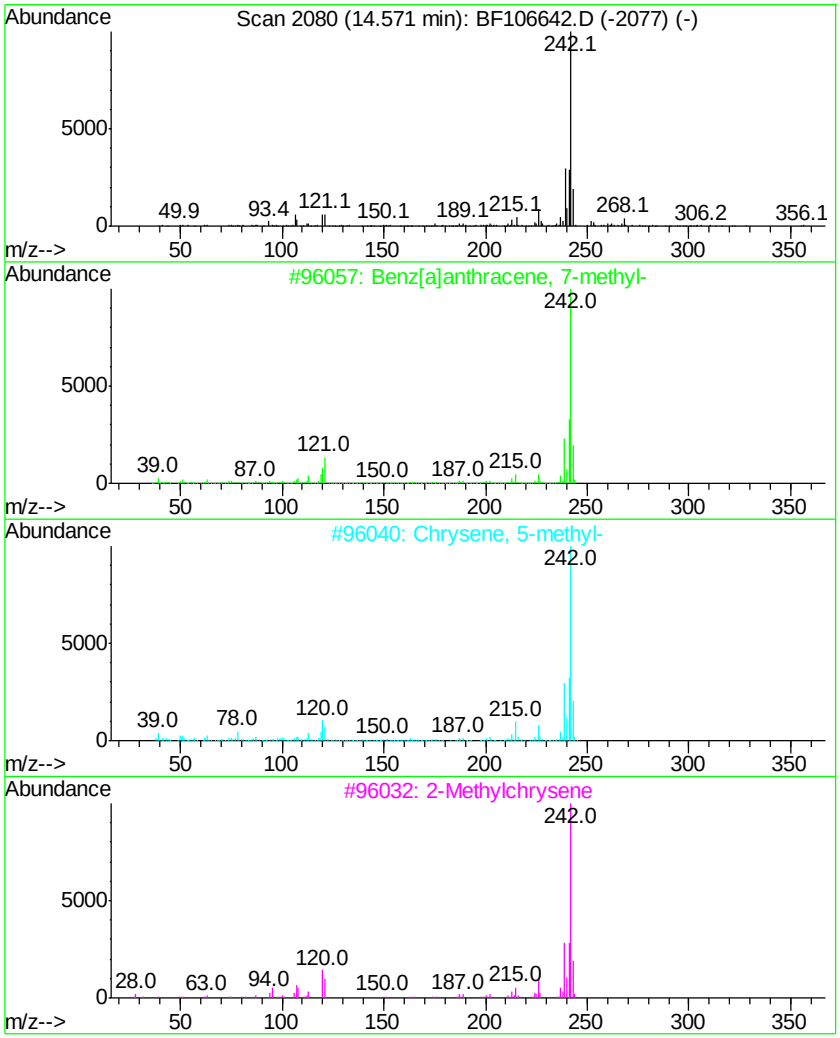
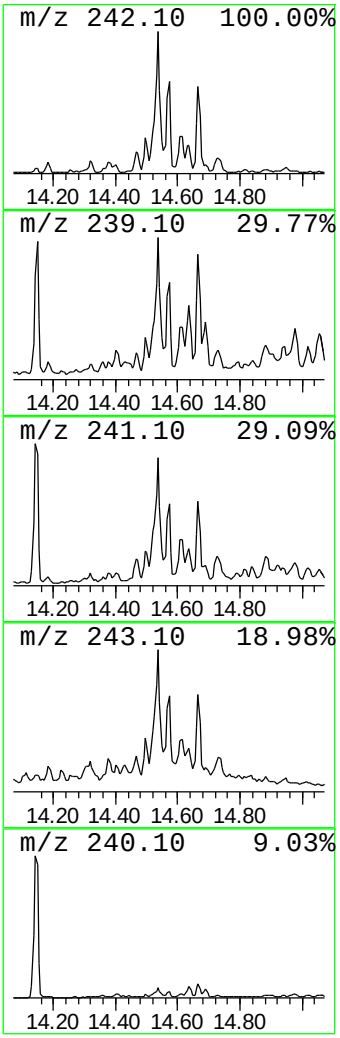
Peak Number 18 Benz[a]anthracene, 7-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.57	3.16 ng	195009	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94
2	Chrysene, 5-methyl-	242	C19H14	003697-24-3	89
3	2-Methylchrysene	242	C19H14	003351-32-4	89
4	Chrysene, 6-methyl-	242	C19H14	001705-85-7	89
5	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	86





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Operator : JU/SJ
Sample : J3575-10 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-12

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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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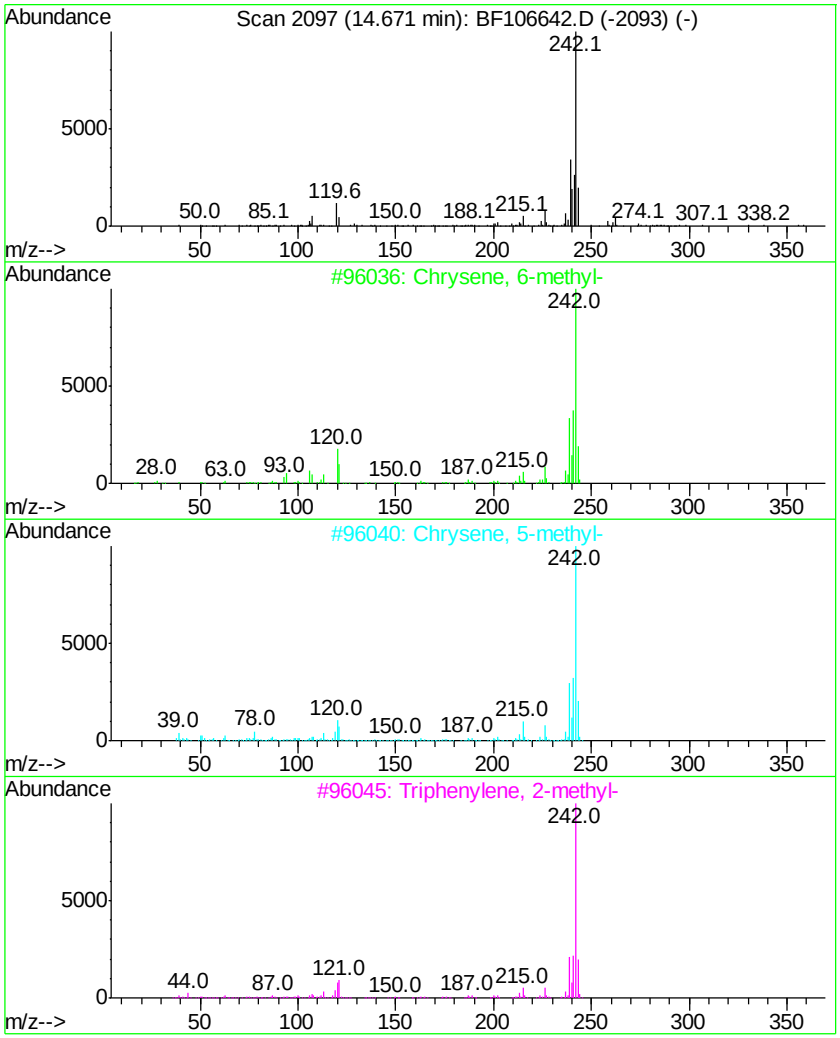
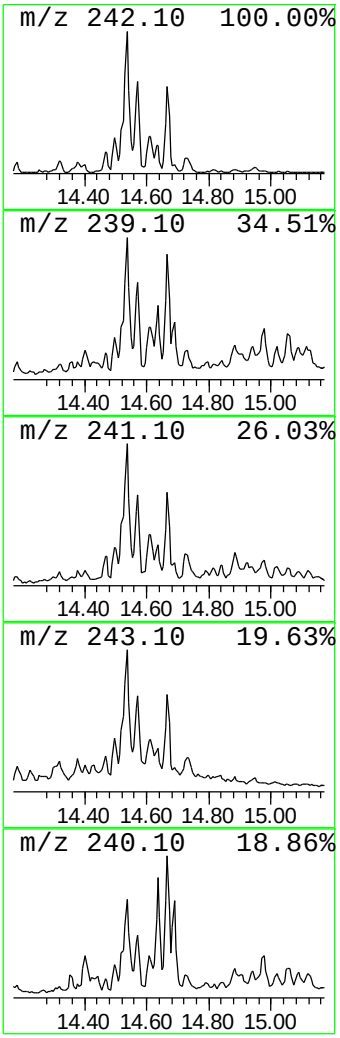
Peak Number 19 Chrysene, 6-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.67	3.42 ng	211122	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 6-methyl-	242	C19H14	001705-85-7	87
2	Chrysene, 5-methyl-	242	C19H14	003697-24-3	83
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	83
4	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	78
5	Benz[a]anthracene, 12-methyl-	242	C19H14	002422-79-9	78





Tentatively Identified Compound (LSC) summary

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Data File : BF106642.D
Acq On : 21 Jun 2018 1:30
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Misc :
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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
unknown6.74	6.74	15.7	ng	385711	1	6.96	492196	20.0
Phenanthrene, 1-m...	12.00	3.3	ng	92409	4	11.49	559885	20.0
Anthracene, 2-met...	12.02	4.0	ng	110619	4	11.49	559885	20.0
Benzaldehyde, 3,5...	12.11	7.2	ng	201280	4	11.49	559885	20.0
Phenanthrene, 2,5...	12.54	9.2	ng	258650	4	11.49	559885	20.0
unknown12.58	12.58	3.6	ng	102011	4	11.49	559885	20.0
9,10-Dimethylanth...	12.63	6.3	ng	177261	4	11.49	559885	20.0
Fluoranthene, 2-m...	13.27	5.7	ng	350413	5	14.14	1234660	20.0
Pyrene, 1-methyl-	13.37	4.3	ng	262800	5	14.14	1234660	20.0
7H-Benz[de]anthra...	13.78	2.9	ng	177616	5	14.14	1234660	20.0
Benzo[b]naphtho[2...	13.90	3.8	ng	235997	5	14.14	1234660	20.0
Benz[a]anthracene...	14.57	3.2	ng	195009	5	14.14	1234660	20.0
Chrysene, 6-methyl-	14.67	3.4	ng	211122	5	14.14	1234660	20.0