LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012519\
Data File : BF112261.D
Acq On : 26 Jan 2019 4:42
Operator : JU/SJ
Sample : K1015-15 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-012419-B

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-BF012519.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	5.475	572	576	592	rBV	557536	618125	12.07%	0.946%
2	6.481	744	747	761	rBV	590443	661836	12.92%	1.013%
3	6.616	766	770	777	rBV	835064	724972	14.15%	1.110%
4	6.839	805	808	817	rBV	1290994	1179114	23.02%	1.805%
5	6.998	831	835	845	rBV	672097	589165	11.50%	0.902%
6	7.398	900	903	908	rBV	400575	378407	7.39%	0.579%
7	8.122	1021	1026	1028	rBV	1661063	1560721	30.47%	2.389%
8	8.145	1028	1030	1035	rVV	1491627	1184514	23.13%	1.813%
9	8.192	1035	1038	1049	rVB2	54249	104754	2.05%	0.160%
10	8.839	1144	1148	1155	rVB	521394	498182	9.73%	0.763%
11	8.933	1160	1164	1173	rVB	365485	343350	6.70%	0.526%
12	9.198	1204	1209	1214	rBV	873899	842212	16.44%	1.289%
13	9.280	1219	1223	1224	rBV	98534	98443	1.92%	0.151%
14	9.298	1224	1226	1232	rVB	195790	163967	3.20%	0.251%
15	9.463	1249	1254	1258	rBV	157242	218739	4.27%	0.335%
16	9.533	1258	1266	1269	rVV	198635	235571	4.60%	0.361%
17	9.563	1269	1271	1273	rVV	151227	125939	2.46%	0.193%
18	9.586	1273	1275	1279	rVV2	85982	105708	2.06%	0.162%
19	9.657	1283	1287	1292	rVB	101474	118848	2.32%	0.182%
20	9.739	1296	1301	1305	rBV	174602	165097	3.22%	0.253%
21	9.804	1307	1312	1317	rVB	115044	103755	2.03%	0.159%
22	9.880	1317	1325	1327	rBV	1785058	1760903	34.38%	2.695%
23	9.910	1327	1330	1334	rVB	869127	693220	13.53%	1.061%
24	10.033	1346	1351	1355	rBV5	50890	75288	1.47%	0.115%
25	10.080	1355	1359	1364	rVV	1067732	981044	19.15%	1.502%
26	10.121	1364	1366	1372	rVV3	77185	92557	1.81%	0.142%
27	10.192	1375	1378	1381	rBV2	56291	66830	1.30%	0.102%
28	10.304	1395	1397	1400	rVB	160013	116503	2.27%	0.178%
29	10.427	1414	1418	1423	rVB	1860588	1710191	33.39%	2.618%
30	10.492	1423	1429	1430	rBV	64401	89605	1.75%	0.137%
31	10.510	1430	1432	1435	rBV	102250	86791	1.69%	0.133%
32	10.580	1442	1444	1447	rVB	237708	194581	3.80%	0.298%
33	10.669	1452	1459	1465	rBV2	583814	733352	14.32%	1.123%
34	10.774	1474	1477	1483	rBV2	116175	175168	3.42%	0.268%

LSC Area Percent Report

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Acq On : 26 Jan 2019 4:42
Operator : JU/SJ
Sample : K1015-15 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-012419-B

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-BF012519.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.974	1505	1511	1514	rBV2	211518	248915	4.86%	0.381%
36	11.057	1522	1525	1528	rVB	84927	74622	1.46%	0.114%
37	11.098	1528	1532	1534	rBV2	65915	67962	1.33%	0.104%
38	11.221	1548	1553	1556	rBV2	119884	158072	3.09%	0.242%
39	11.257	1556	1559	1565	rVB	392334	379984	7.42%	0.582%
40	11.363	1573	1577	1579	rBV	1490291	1465183	28.61%	2.243%
41	11.392	1579	1582	1585	rVV	5737940	5121893	100.00%	7.840%
42	11.439	1587	1590	1594	rVV	1900222	1592071	31.08%	2.437%
43	11.474	1594	1596	1602	rVB	121717	124371	2.43%	0.190%
44	11.592	1610	1616	1623	rBV	733426	715230	13.96%	1.095%
45	11.651	1623	1626	1629	rBV3	152078	164768	3.22%	0.252%
46	11.698	1632	1634	1638	rVB4	73395	82910	1.62%	0.127%
47	11.751	1639	1643	1646	rBV	1041268	905861	17.69%	1.387%
48	11.863	1657	1662	1665	rBV	451582	435974	8.51%	0.667%
49	11.892	1665	1667	1672	rVB	638294	527105	10.29%	0.807%
50	11.939	1672	1675	1678	rBV	234512	211181	4.12%	0.323%
51	11.980	1678	1682	1684	rBV	1063306	1011262	19.74%	1.548%
52	12.068	1689	1697	1700	rVV3	84496	185318	3.62%	0.284%
53	12.157	1709	1712	1715	rVB	331230	271996	5.31%	0.416%
54	12.339	1741	1743	1745	rBV	82749	64624	1.26%	0.099%
55	12.433	1756	1759	1761	rBV	2538231	2225244	43.45%	3.406%
56	12.457	1761	1763	1769	rVB	3379094	2810900	54.88%	4.302%
57	12.539	1774	1777	1780	rVB	409009	327734	6.40%	0.502%
58	12.580	1780	1784	1788	rBV	4618948	4162338	81.27%	6.371%
59	12.639	1792	1794	1797	rVB	84876	67005	1.31%	0.103%
60	12.727	1805	1809	1812	rBV2	115644	117522	2.29%	0.180%
61	12.810	1815	1823	1829	rBV2	3593731	4332629	84.59%	6.632%
62	12.851	1829	1830	1838	rVB2	171596	179366	3.50%	0.275%
63	12.939	1840	1845	1848	rBV2	785488	898982	17.55%	1.376%
64	12.968	1848	1850	1854	rVB	157362	143663	2.80%	0.220%
65	13.027	1854	1860	1863	rBV3	207351	375541	7.33%	0.575%
66	13.057	1863	1865	1867	rVB	121510	98656	1.93%	0.151%
67	13.104	1870	1873	1875	rBV3	200883	260154	5.08%	0.398%
68	13.133	1875	1878	1882	rVB	799584	730093	14.25%	1.118%
69	13.198	1886	1889	1892	rVV	876706	772244	15.08%	1.182%
70	13.239	1892	1896	1899	rVV2	262677	309737	6.05%	0.474%
71	13.333	1909	1912	1914	rBV	103992	93614	1.83%	0.143%

LSC Area Percent Report

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Acq On : 26 Jan 2019 4:42
Operator : JU/SJ
Sample : K1015-15 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-012419-B

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-BF012519.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.362	1914	1917	1920	rBV3	149974	157627	3.08%	0.241%
73	13.510	1940	1942	1945	rBV3	78260	83753	1.64%	0.128%
74	13.615	1957	1960	1963	rBV	113790	135242	2.64%	0.207%
75	13.651	1963	1966	1969	rVB3	59845	64926	1.27%	0.099%
76	13.751	1980	1983	1985	rBV	234387	202002	3.94%	0.309%
77	13.780	1985	1988	1990	rVB	235683	213077	4.16%	0.326%
78	13.804	1990	1992	1996	rBV2	215514	284488	5.55%	0.435%
79	13.921	2010	2012	2017	rVB2	91325	105802	2.07%	0.162%
80	13.998	2018	2025	2028	rBV2	2557214	3795424	74.10%	5.809%
81	14.027	2028	2030	2038	rVB	1674005	1544098	30.15%	2.363%
82	14.109	2041	2044	2047	rVB	382739	298995	5.84%	0.458%
83	14.151	2048	2051	2055	rBV2	186665	209982	4.10%	0.321%
84	14.192	2056	2058	2061	rVV	177914	164334	3.21%	0.252%
85	14.227	2061	2064	2068	rVB2	196108	238220	4.65%	0.365%
86	14.386	2087	2091	2094	rVB	273381	317561	6.20%	0.486%
87	14.421	2095	2097	2100	rVB	121115	89225	1.74%	0.137%
88	14.462	2101	2104	2106	rBV3	121455	155141	3.03%	0.237%
89	14.486	2106	2108	2110	rVV	216500	179281	3.50%	0.274%
90	14.515	2110	2113	2114	rVV	173761	164245	3.21%	0.251%
91	14.533	2114	2116	2120	rVB	286186	258555	5.05%	0.396%
92	14.880	2173	2175	2180	rVB2	157126	172485	3.37%	0.264%
93	15.045	2198	2203	2206	rBV	1309195	2078163	40.57%	3.181%
94	15.151	2218	2221	2225	rVB	300229	301891	5.89%	0.462%
95	15.345	2250	2254	2260	rVB	717082	945209	18.45%	1.447%
96	15.409	2260	2265	2269	rBV	1263004	1486724	29.03%	2.276%
97	15.468	2271	2275	2278	rVV	1222977	1529596	29.86%	2.341%
98	15.498	2278	2280	2287	rVB2	319068	412417	8.05%	0.631%
99	16.939	2520	2525	2531	rBV	371683	713260	13.93%	1.092%
100	17.386	2597	2601	2612	rVB	253602	518112	10.12%	0.793%

Sum of corrected areas: 65332011

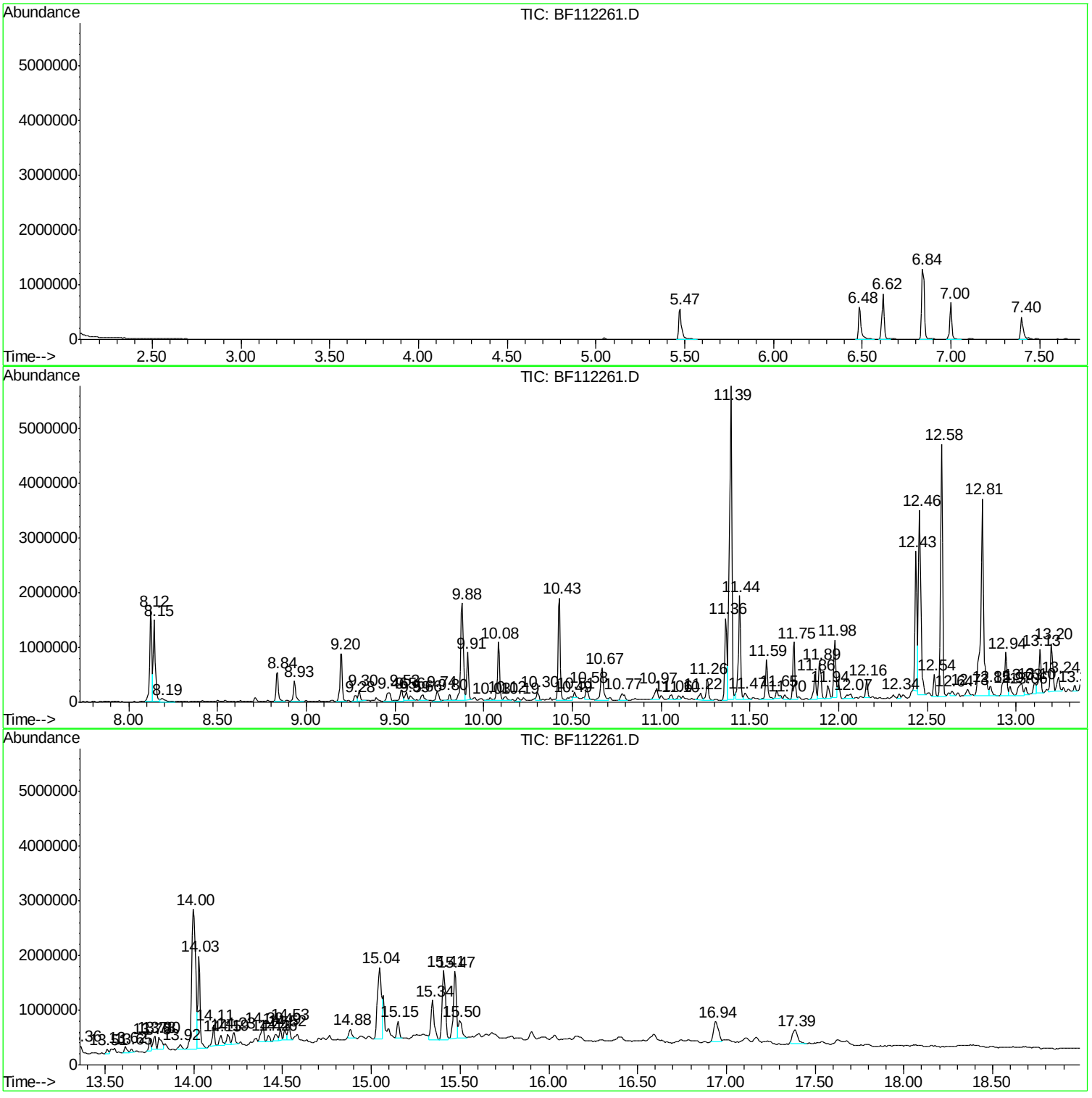
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012519\
Data File : BF112261.D
Acq On : 26 Jan 2019 4:42
Operator : JU/SJ
Sample : K1015-15 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-012419-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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\BF012519\
Data File : BF112261.D
Acq On : 26 Jan 2019 4:42
Operator : JU/SJ
Sample : K1015-15 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-012419-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

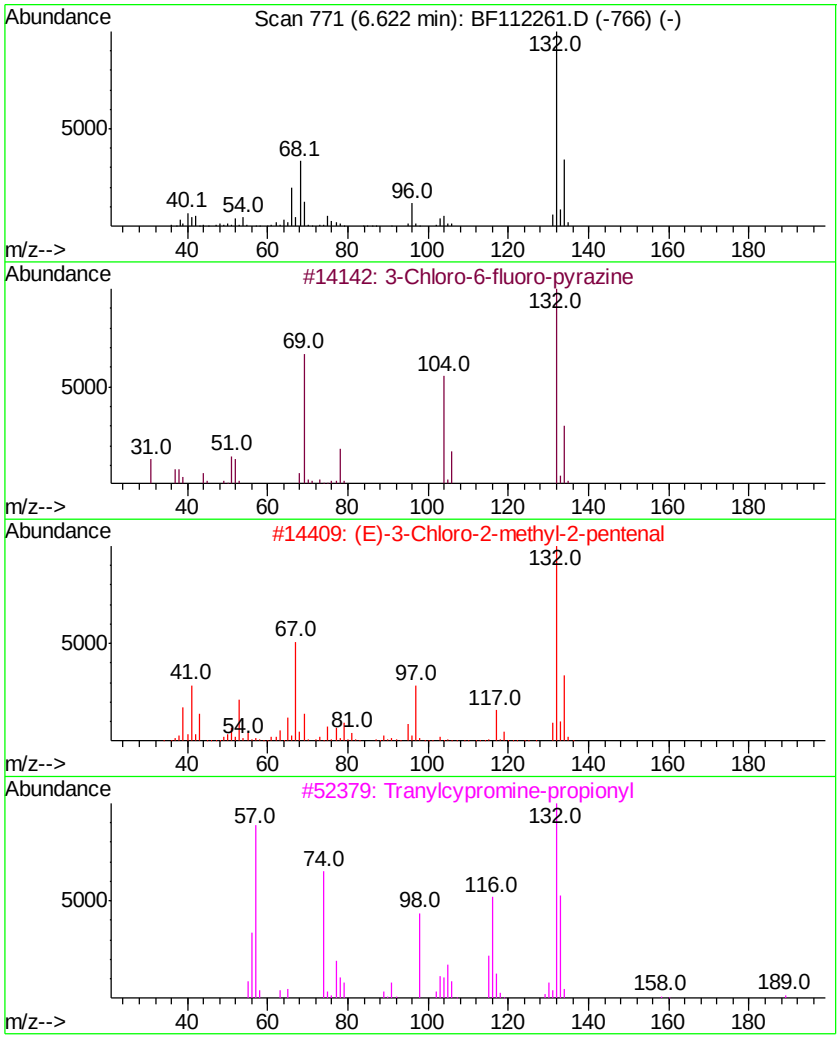
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

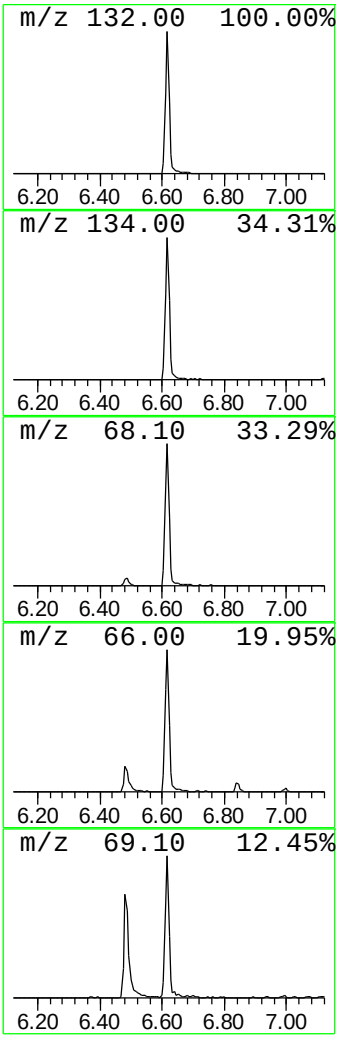
****

Peak Number 1 unknown6.62 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	12.30 ng	724972	1,4-Dichlorobenzene-d4	6.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012519\
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Operator : JU/SJ
Sample : K1015-15 5X
Misc :
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Instrument : BNA_F
ClientSampleId : SU-04-012419-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

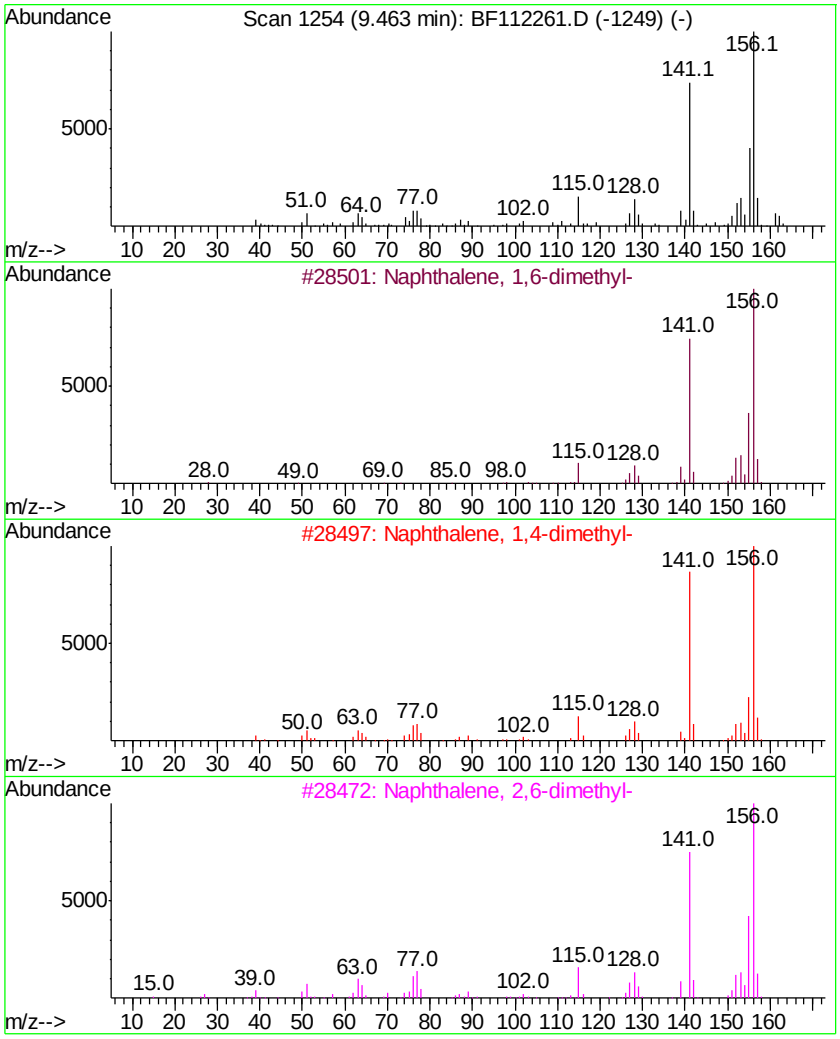
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

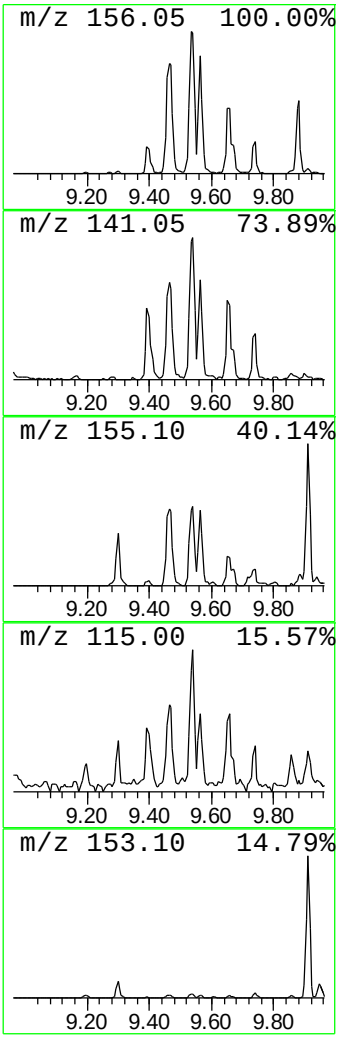
****

Peak Number 3 Naphthalene, 1,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.46	2.48 ng	218739	Acenaphthene-d10	9.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012519\
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Misc :
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Instrument : BNA_F
ClientSampleId : SU-04-012419-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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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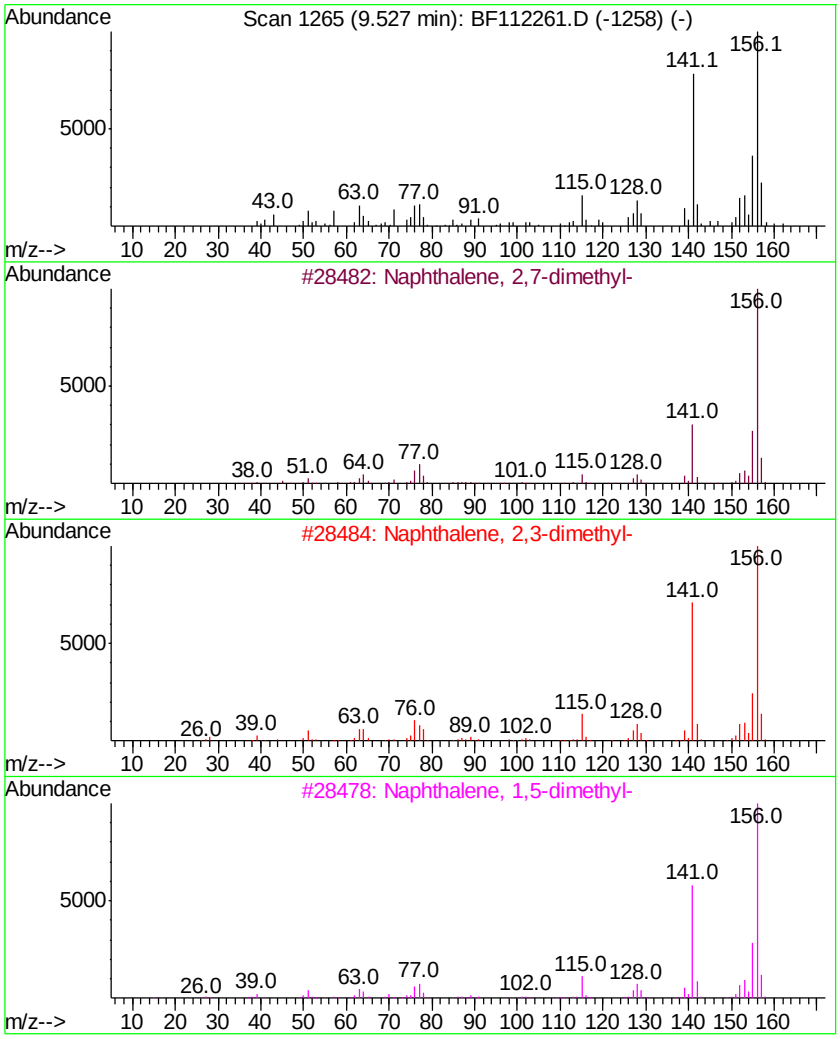
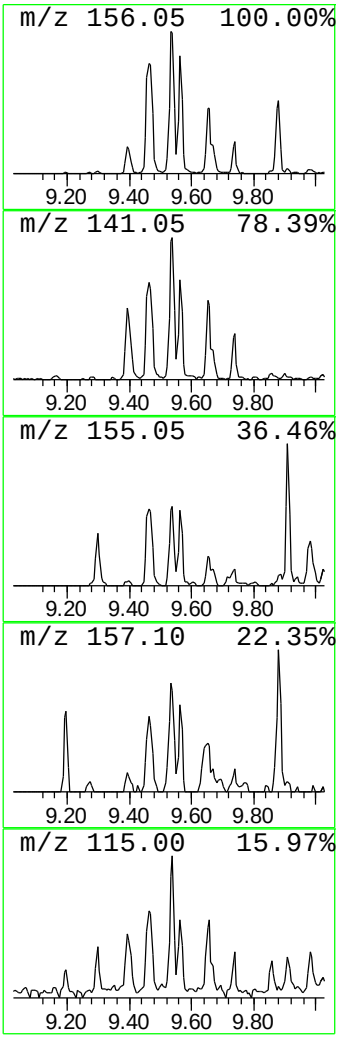
Peak Number 4 Naphthalene, 2,7-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.53	2.68 ng	235571	Acenaphthene-d10	9.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012519\
Data File : BF112261.D
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Sample : K1015-15 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-012419-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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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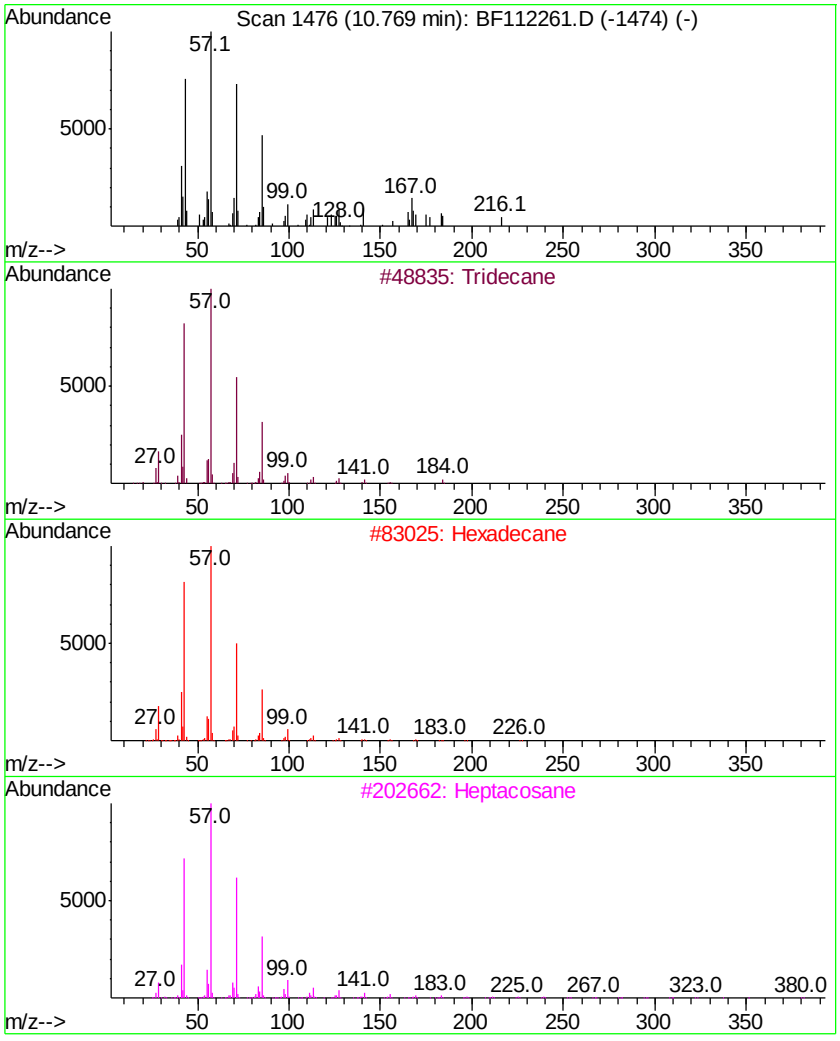
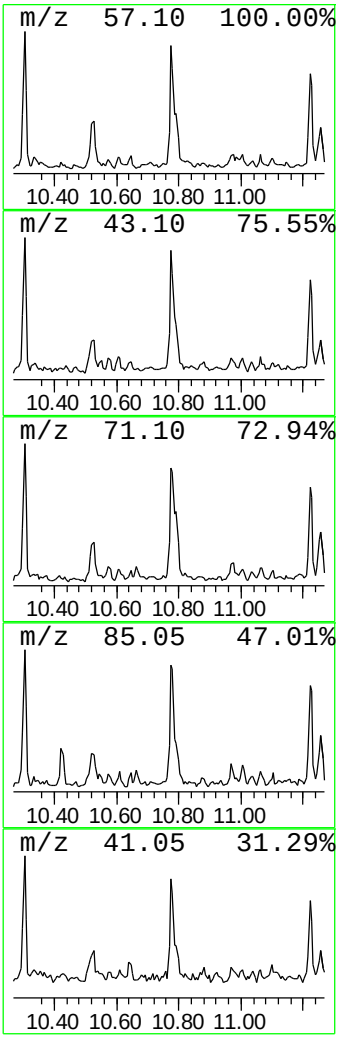
Peak Number 5 Tridecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	2.39 ng	175168	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	93
2	Hexadecane	226	C16H34	000544-76-3	90
3	Heptacosane	380	C27H56	000593-49-7	90
4	Pentadecane	212	C15H32	000629-62-9	87
5	Tetradecane	198	C14H30	000629-59-4	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012519\
Data File : BF112261.D
Acq On : 26 Jan 2019 4:42
Operator : JU/SJ
Sample : K1015-15 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-012419-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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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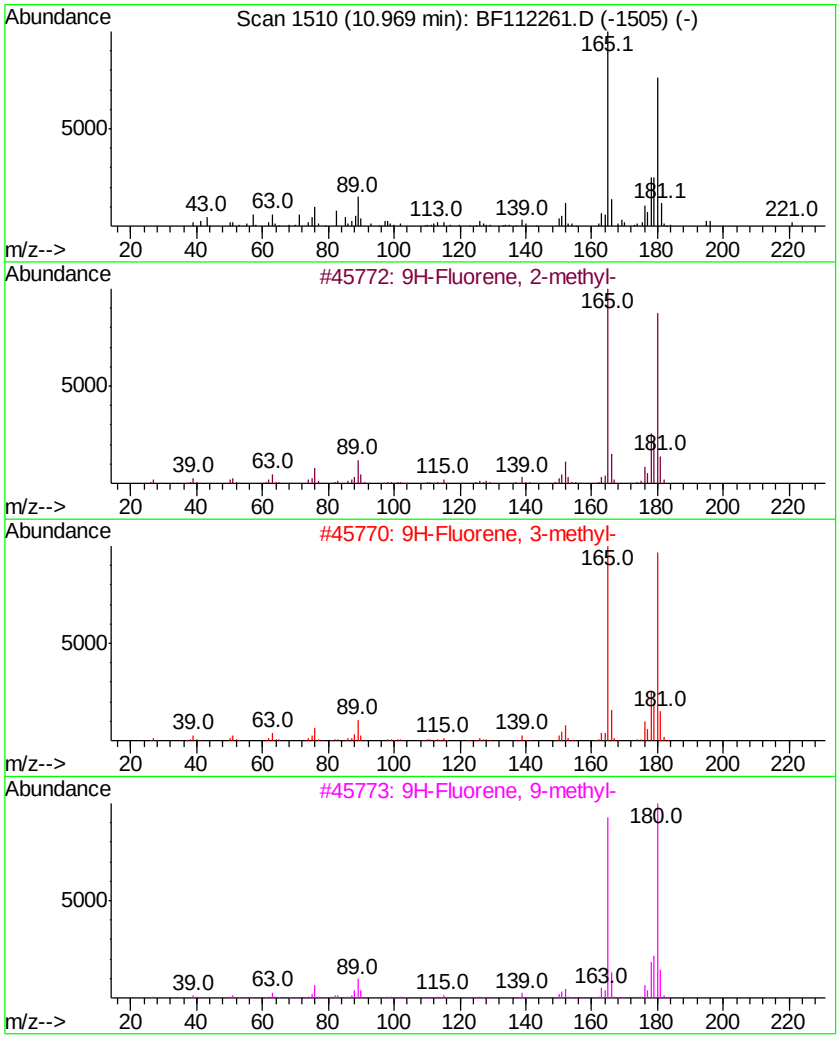
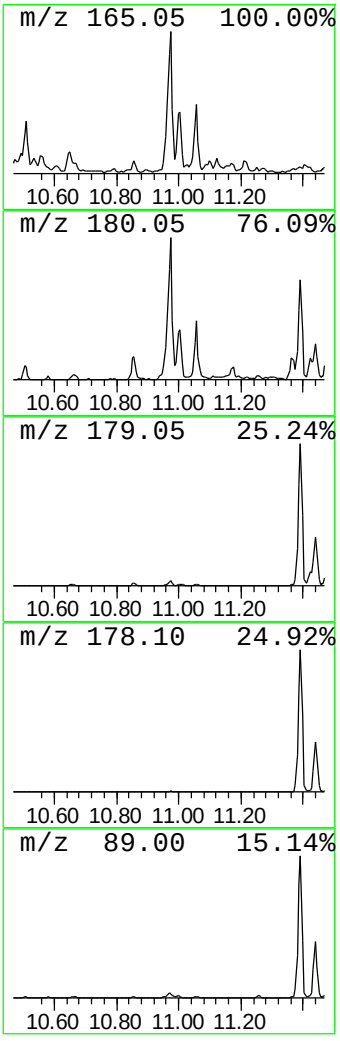
Peak Number 6 9H-Fluorene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	3.40 ng	248915	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	98
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	96
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	95
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	93





Library Search Compound Report

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Data File : BF112261.D
Acq On : 26 Jan 2019 4:42
Operator : JU/SJ
Sample : K1015-15 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-012419-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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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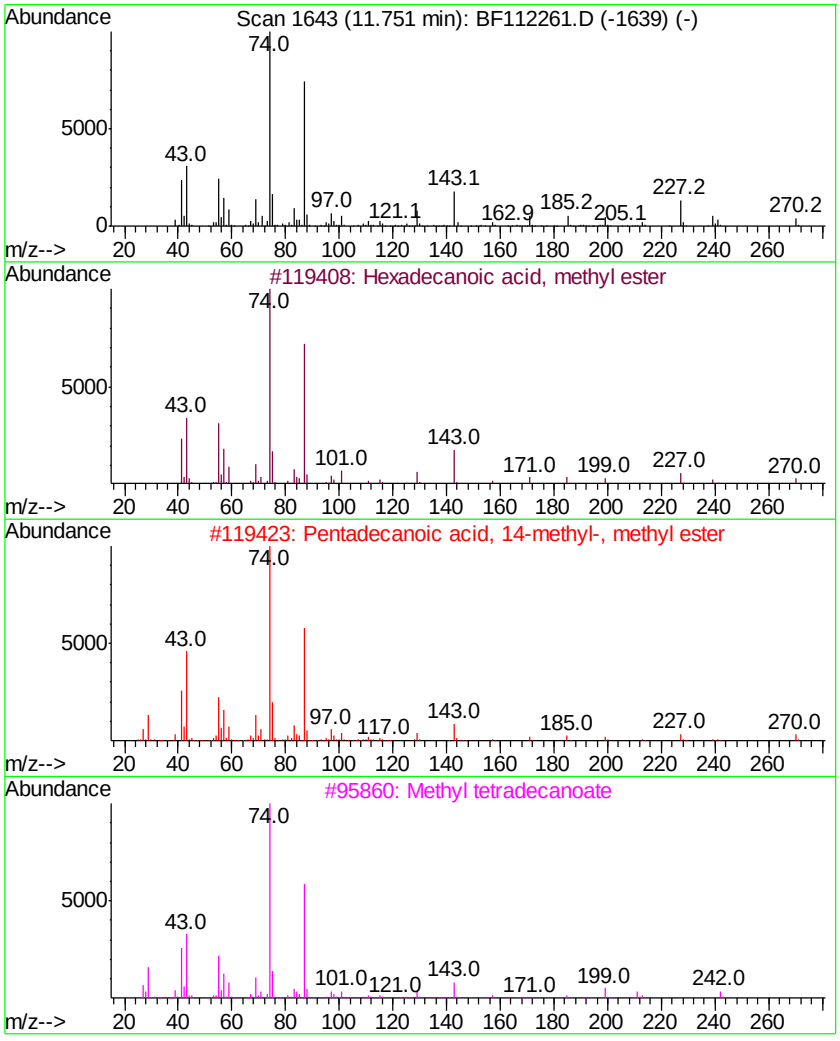
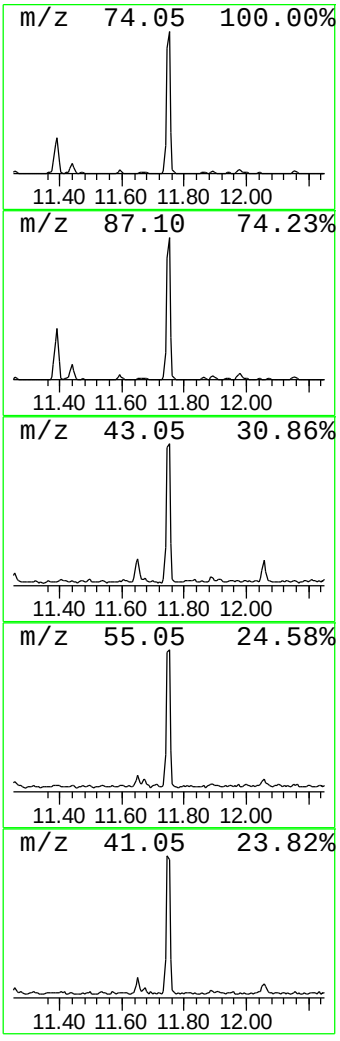
Peak Number 8 Hexadecanoic acid, methyl e... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	12.37 ng	905861	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	93
3	Methyl tetradecanoate	242	C15H30O2	000124-10-7	90
4	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	90
5	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	80





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Sample : K1015-15 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-012419-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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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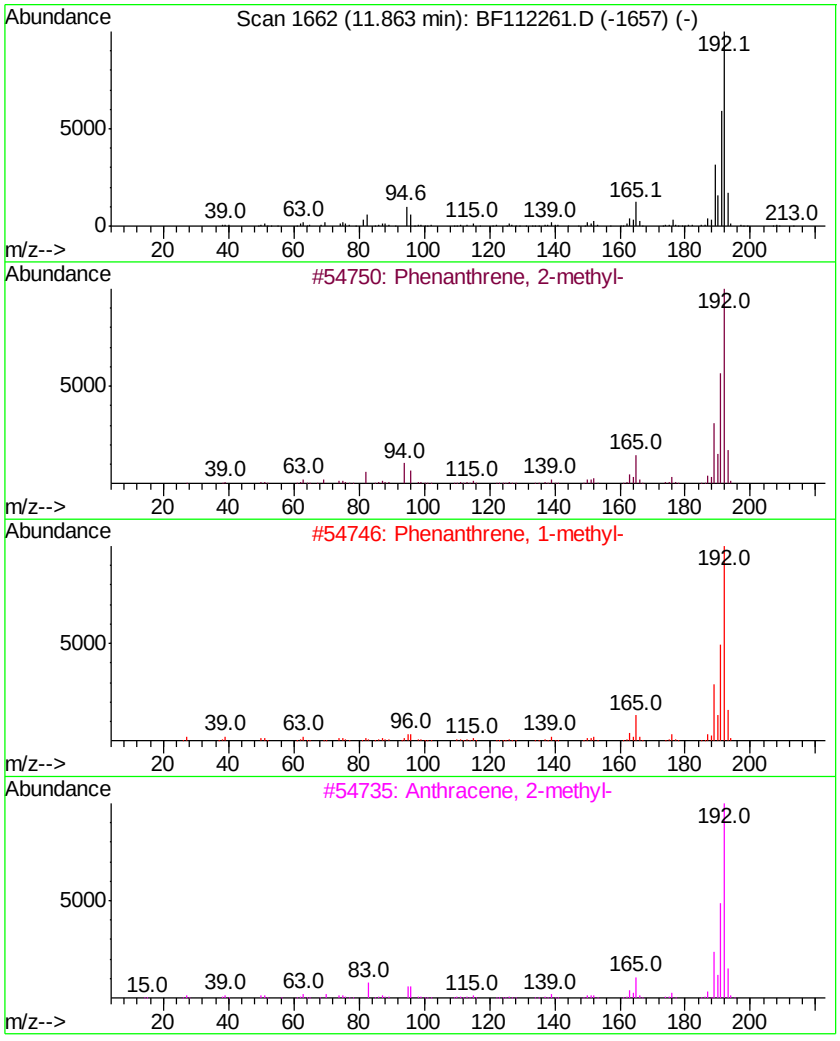
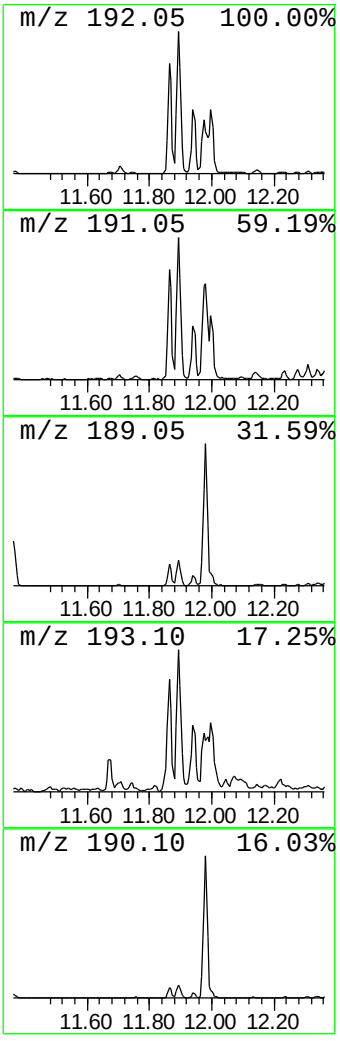
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	5.95 ng	435974	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95





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Sample : K1015-15 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-012419-B

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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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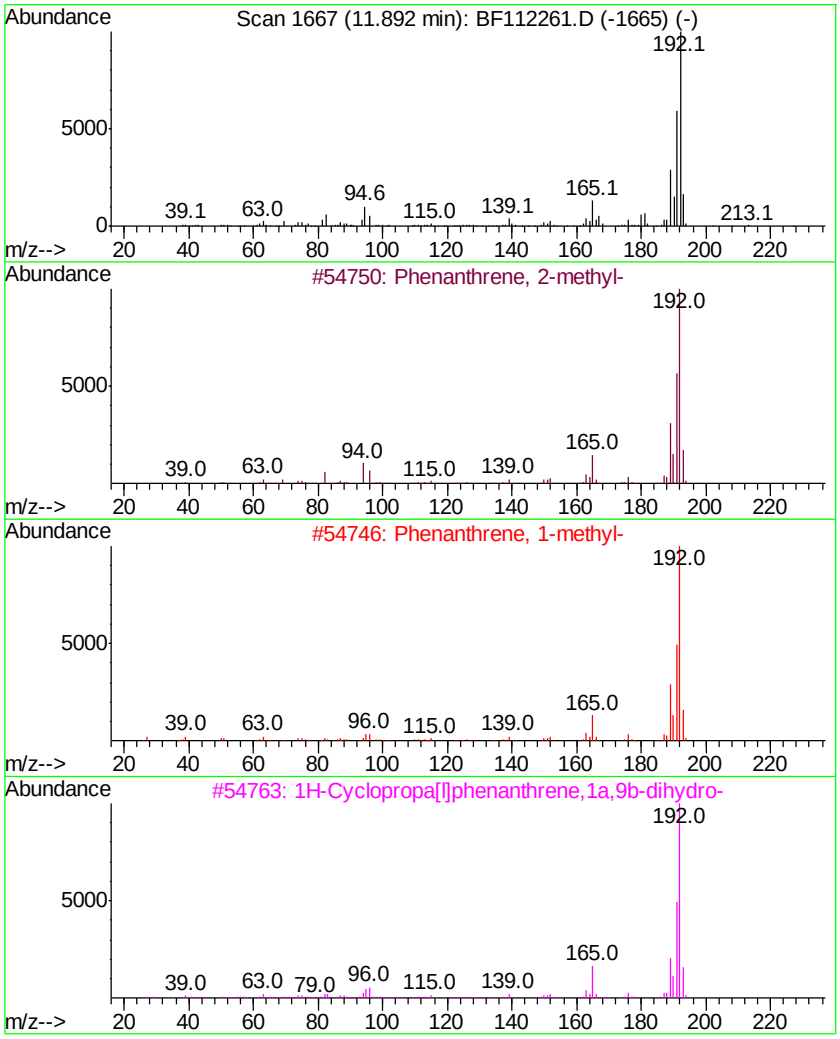
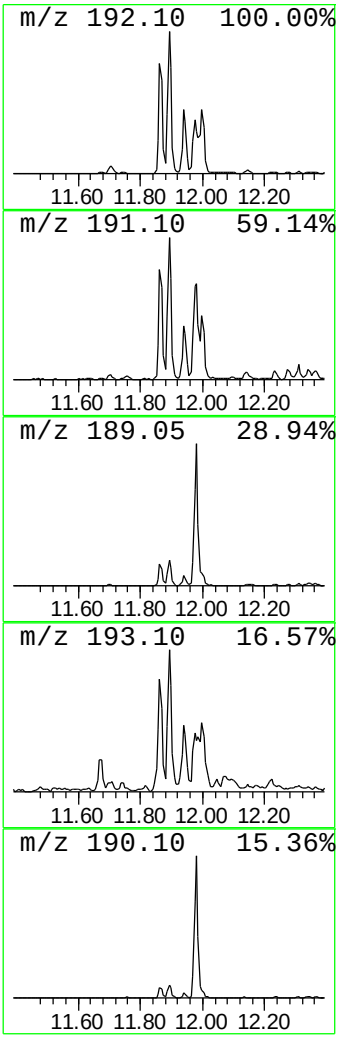
Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	7.20 ng	527105	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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Operator : JU/SJ
Sample : K1015-15 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-012419-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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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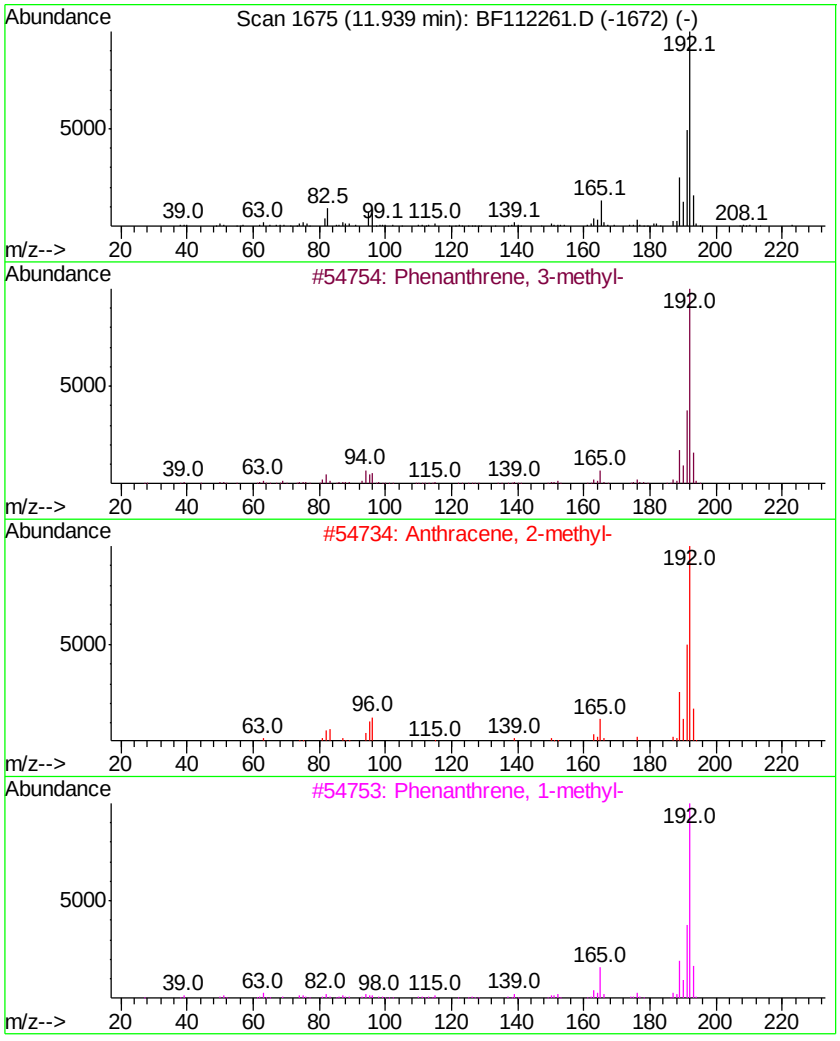
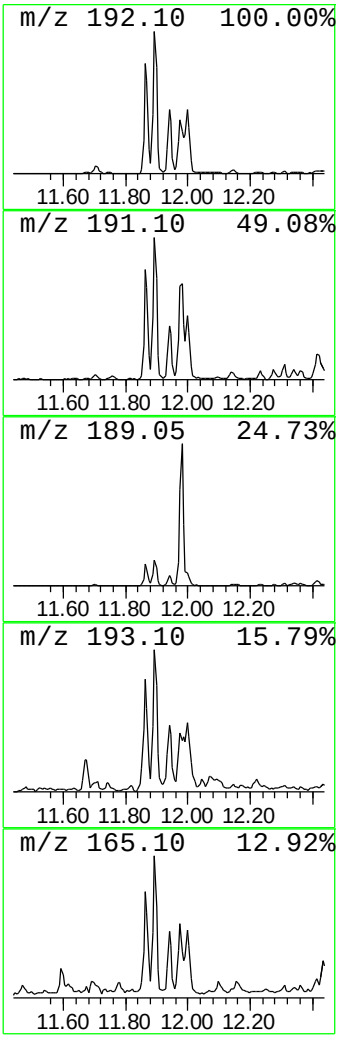
Peak Number 11 Phenanthrene, 3-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	2.88 ng	211181	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93





Library Search Compound Report

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Acq On : 26 Jan 2019 4:42
Operator : JU/SJ
Sample : K1015-15 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-012419-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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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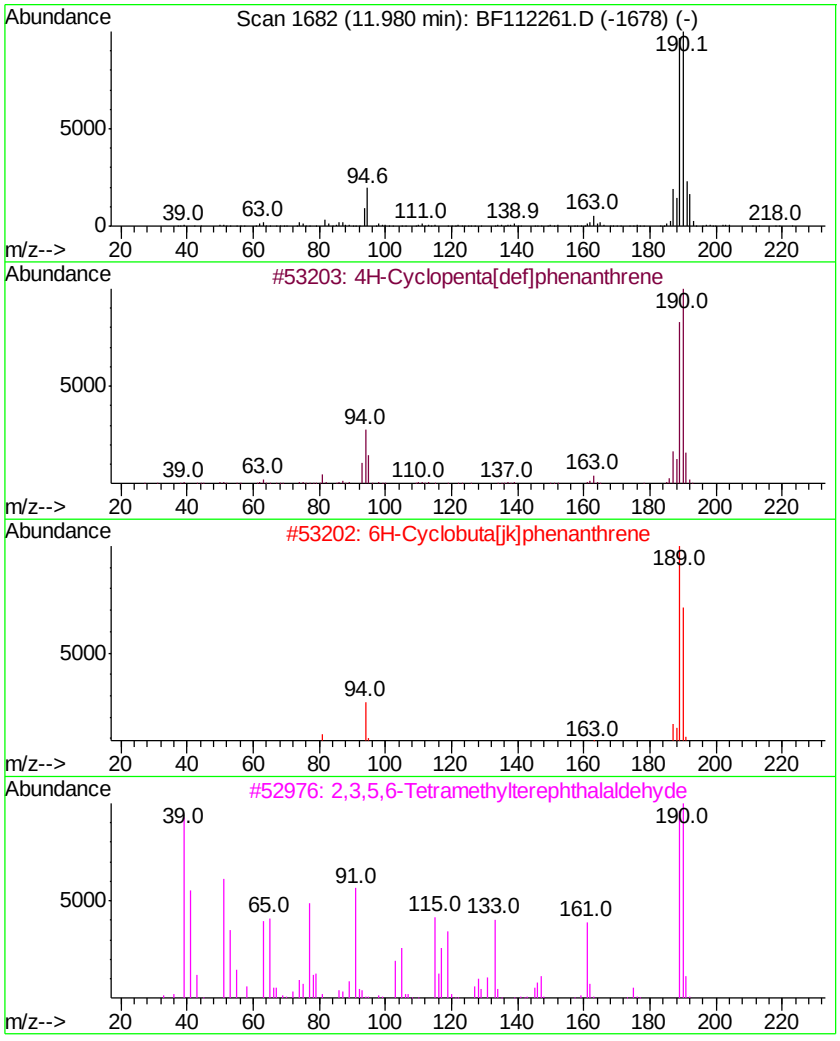
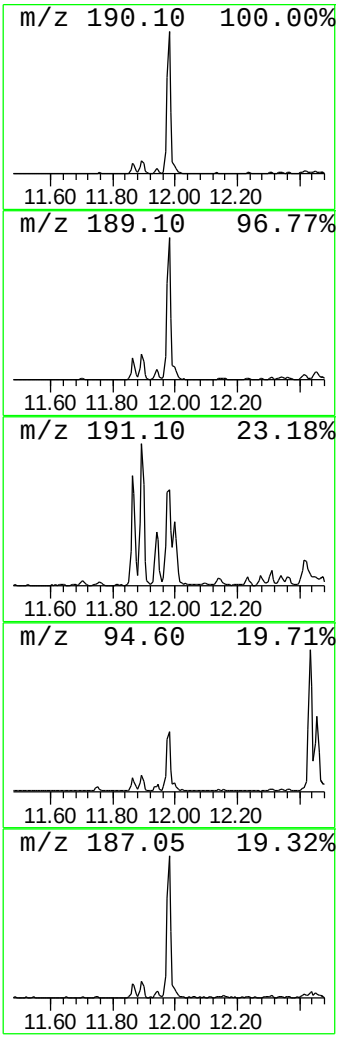
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	13.80 ng	1011260	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	91
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	Methyl diselenide	190	C2H6Se2	007101-31-7	27





Library Search Compound Report

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Acq On : 26 Jan 2019 4:42
Operator : JU/SJ
Sample : K1015-15 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-012419-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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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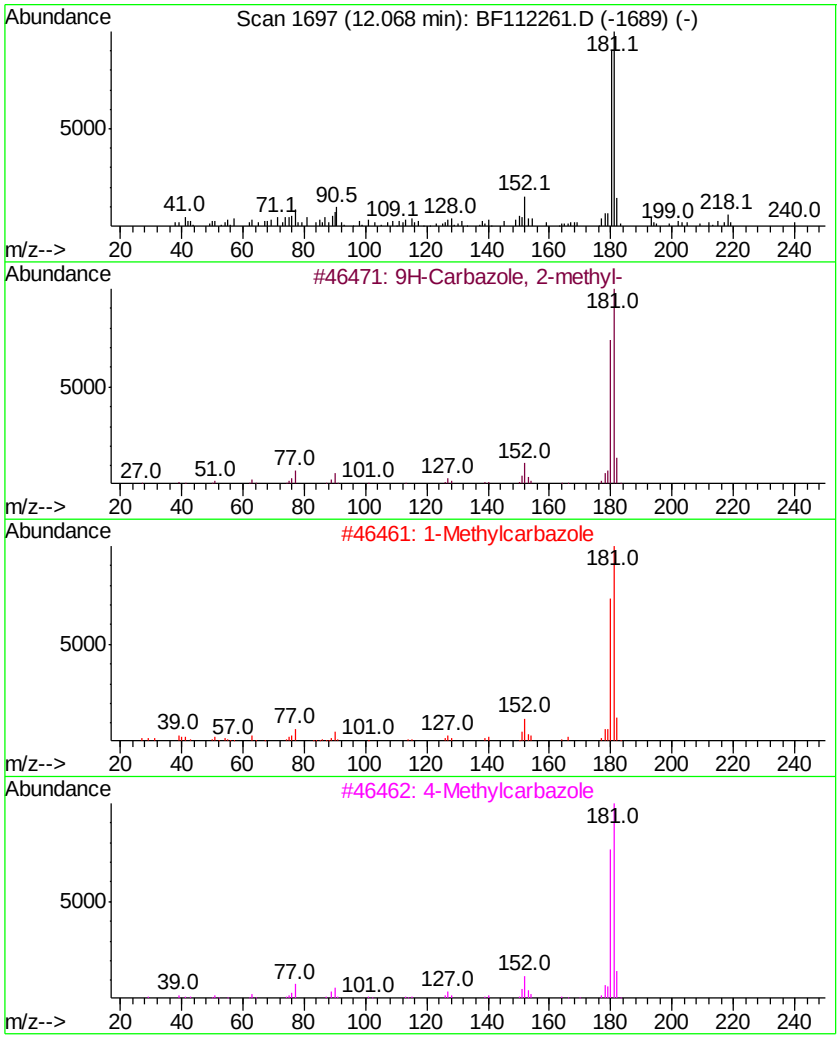
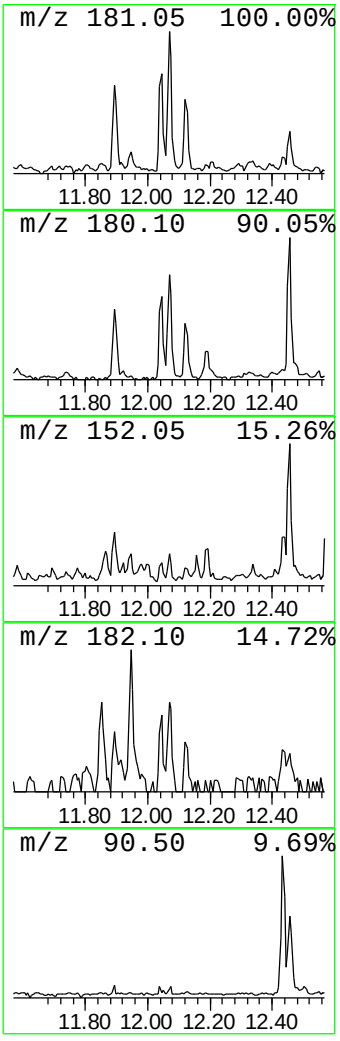
Peak Number 13 9H-Carbazole, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	2.53 ng	185318	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	95
2	1-Methylcarbazole	181	C13H11N	006510-65-2	95
3	4-Methylcarbazole	181	C13H11N	003770-48-7	94
4	3-Methylcarbazole	181	C13H11N	004630-20-0	93
5	9H-Carbazole, 9-methyl-	181	C13H11N	001484-12-4	90





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Acq On : 26 Jan 2019 4:42
Operator : JU/SJ
Sample : K1015-15 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-012419-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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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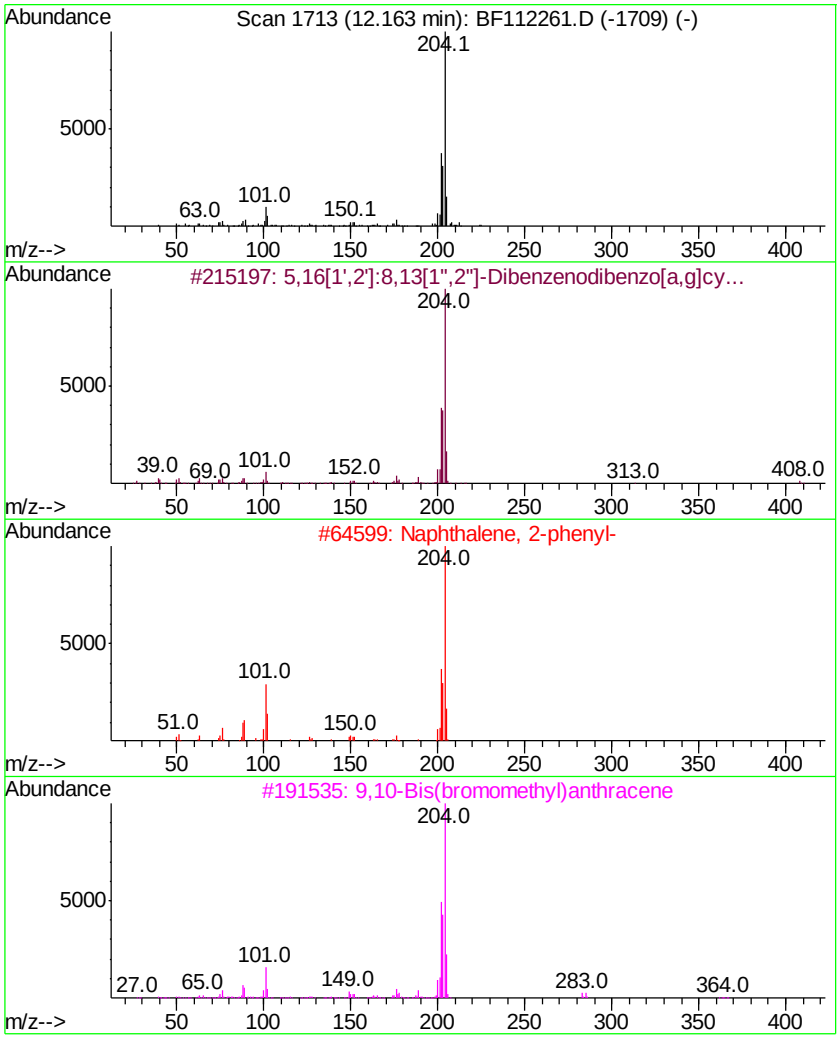
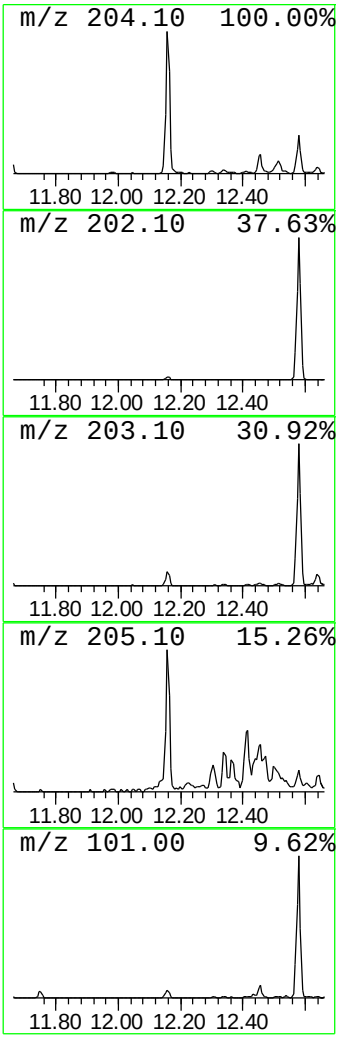
Peak Number 14 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	3.71 ng	271996	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	64
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60





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Sample : K1015-15 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-012419-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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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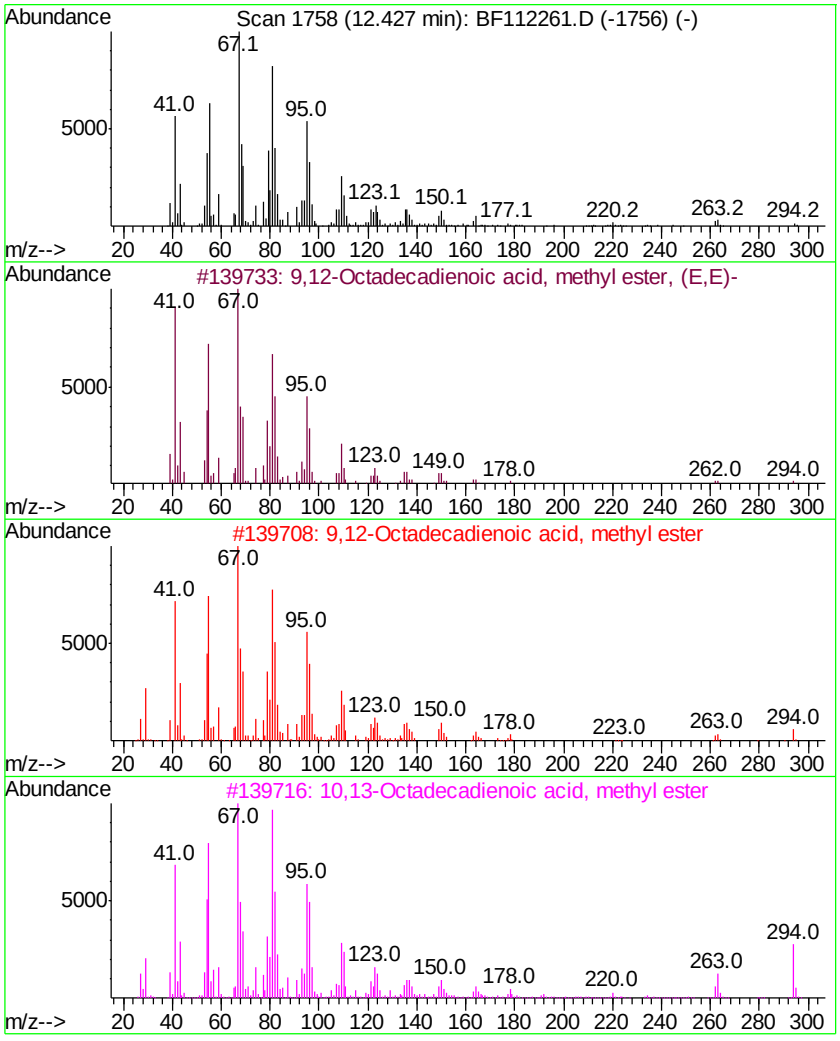
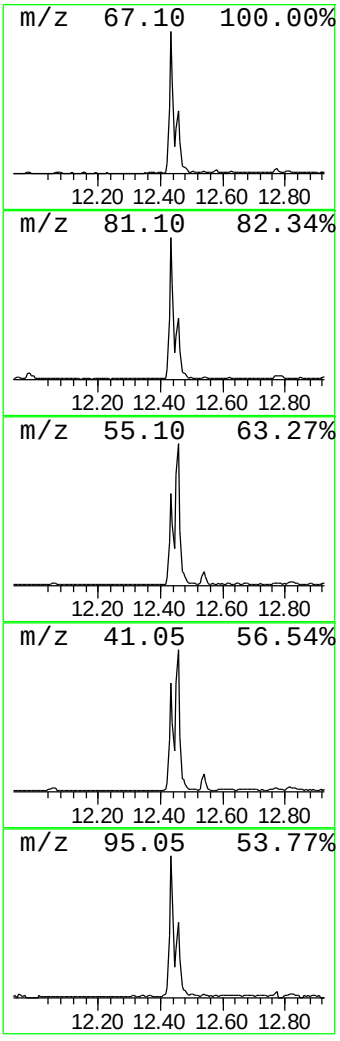
Peak Number 15 9,12-Octadecadienoic acid, ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	30.38 ng	2225240	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
3	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
4	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
5	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99





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Sample : K1015-15 5X
Misc :
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Instrument : BNA_F
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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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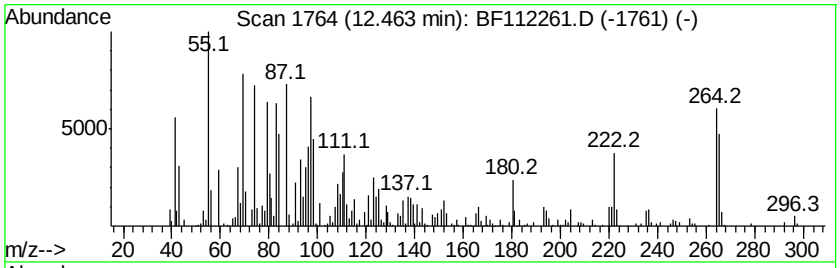
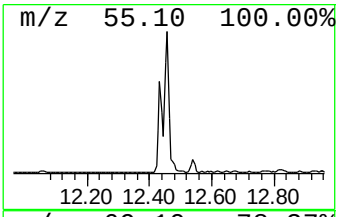
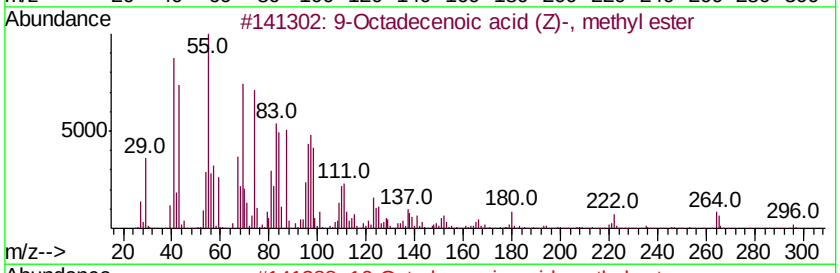
Peak Number 16 9-Octadecenoic acid (Z)-, m... Concentration Rank 1

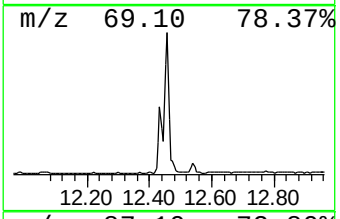
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	38.37 ng	2810900	Phenanthrene-d10	11.36

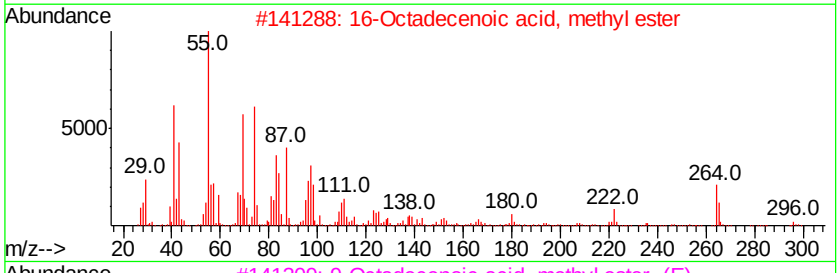
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	99
2	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	99
3	9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	99
4	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	99
5	6-Octadecenoic acid, methyl este...	296	C19H36O2	002777-58-4	99

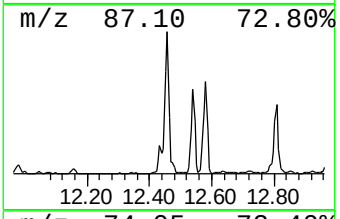


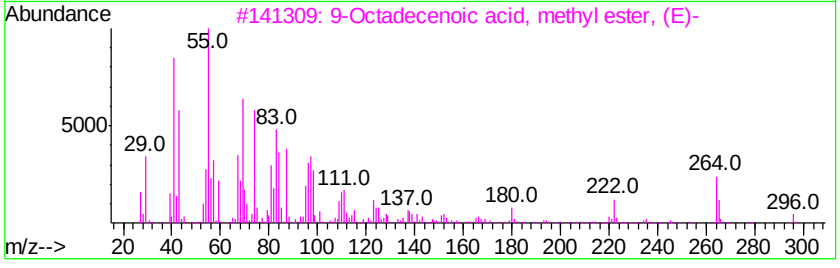


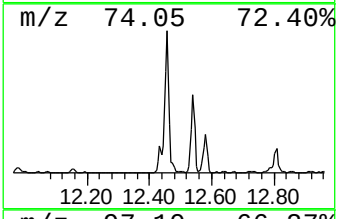


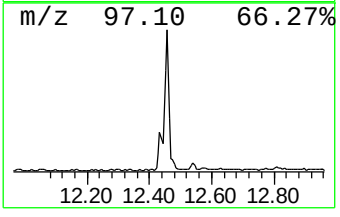












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Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-012419-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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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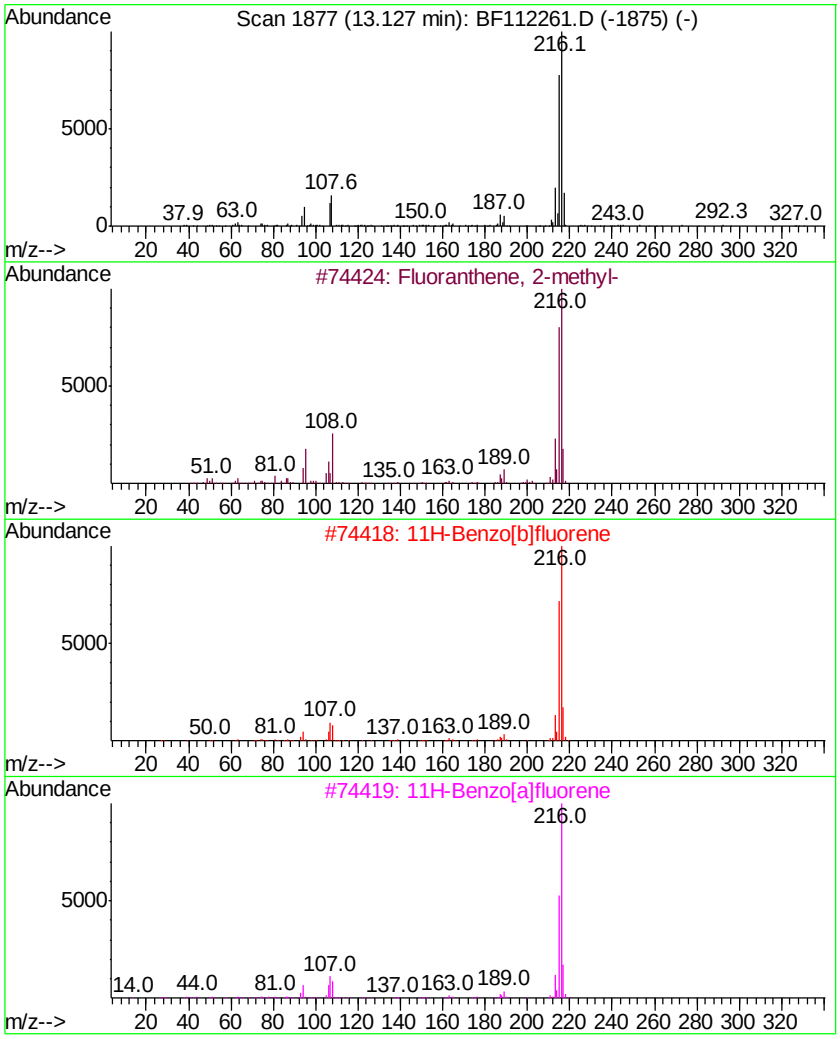
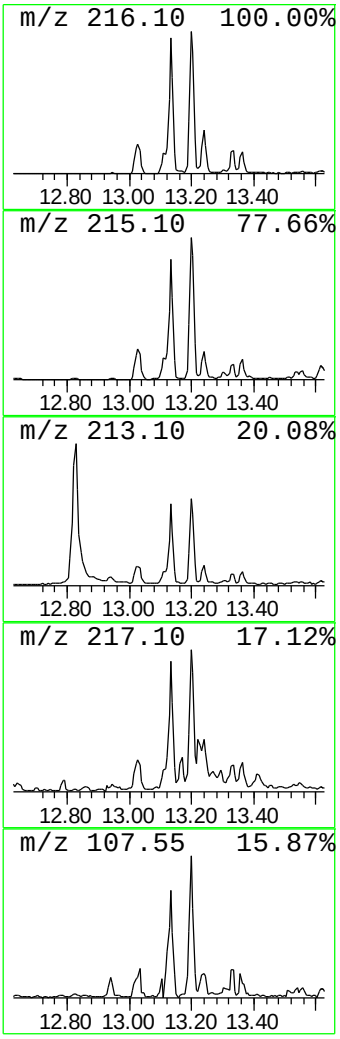
Peak Number 17 Fluoranthene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	3.85 ng	730093	Chrysene-d12	14.00

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	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012519\
Data File : BF112261.D
Acq On : 26 Jan 2019 4:42
Operator : JU/SJ
Sample : K1015-15 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-012419-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

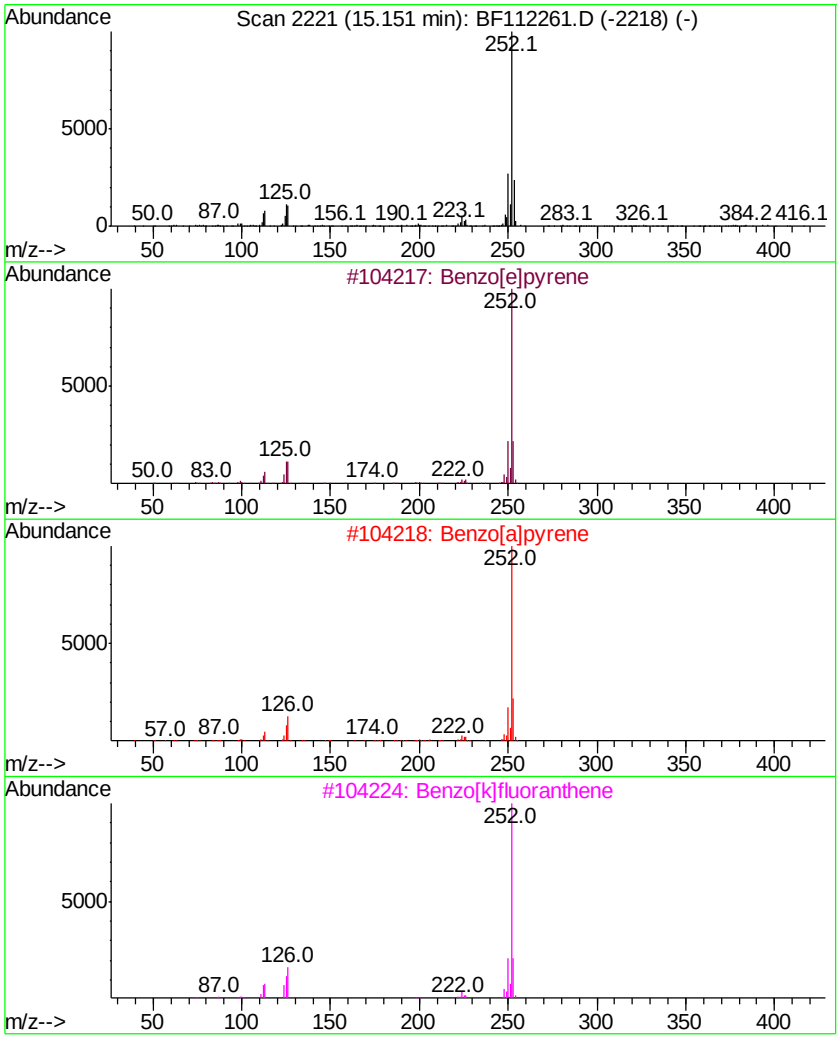
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

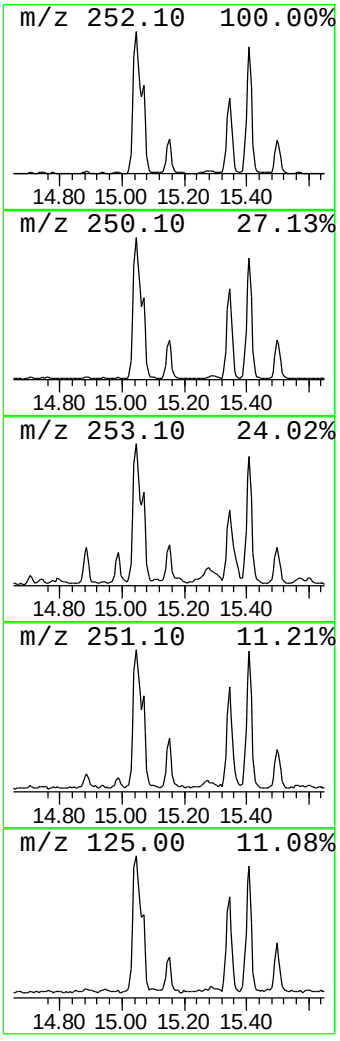
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.15	3.95 ng	301891	Perylene-d12	15.47

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	97
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
5	Perylene	252	C20H12	000198-55-0	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF012519\
Data File : BF112261.D
Acq On : 26 Jan 2019 4:42
Operator : JU/SJ
Sample : K1015-15 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-012419-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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	12.3	ng	724972	1	6.84	1179110	20.0
Naphthalene, 1,6-...	9.46	2.5	ng	218739	3	9.88	1760900	20.0
Naphthalene, 2,7-...	9.53	2.7	ng	235571	3	9.88	1760900	20.0
Tridecane	10.77	2.4	ng	175168	4	11.36	1465180	20.0
9H-Fluorene, 2-me...	10.97	3.4	ng	248915	4	11.36	1465180	20.0
Hexadecanoic acid...	11.75	12.4	ng	905861	4	11.36	1465180	20.0
Phenanthrene, 2-m...	11.86	6.0	ng	435974	4	11.36	1465180	20.0
Phenanthrene, 1-m...	11.89	7.2	ng	527105	4	11.36	1465180	20.0
Phenanthrene, 3-m...	11.94	2.9	ng	211181	4	11.36	1465180	20.0
4H-Cyclopenta[def...	11.98	13.8	ng	1011260	4	11.36	1465180	20.0
9H-Carbazole, 2-m...	12.07	2.5	ng	185318	4	11.36	1465180	20.0
5,16[1',2']:8,13[...	12.16	3.7	ng	271996	4	11.36	1465180	20.0
9,12-Octadecadien...	12.43	30.4	ng	2225240	4	11.36	1465180	20.0
9-Octadecenoic ac...	12.46	38.4	ng	2810900	4	11.36	1465180	20.0
Fluoranthene, 2-m...	13.13	3.9	ng	730093	5	14.00	3795420	20.0
Benzo[e]pyrene	15.15	4.0	ng	301891	6	15.47	1529600	20.0