LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062719\
Data File : BF115252.D
Acq On : 27 Jun 2019 23:34
Operator : HP/JU
Sample : K3509-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-06-062619-A

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-BF062119.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	4.425	418	423	428	rBV	114900	135291	2.71%	0.182%
2	5.190	548	553	556	rBV	3888241	3786373	75.94%	5.104%
3	6.237	725	731	733	rBV	3789760	3980277	79.83%	5.365%
4	6.266	733	736	748	rVB	112268	114052	2.29%	0.154%
5	6.360	748	752	756	rBV	4317803	4166027	83.56%	5.616%
6	6.595	788	792	795	rBV	1874819	1417400	28.43%	1.911%
7	6.754	815	819	822	rBV	3939136	3309058	66.37%	4.460%
8	7.154	882	887	890	rBV	2932015	2549455	51.13%	3.437%
9	7.878	1006	1010	1013	rBV	2198173	1834471	36.79%	2.473%
10	8.954	1189	1193	1196	rBV	5614131	4665053	93.57%	6.288%
11	9.348	1256	1260	1263	rBV	935493	807963	16.21%	1.089%
12	9.478	1279	1282	1289	rBV	307218	268091	5.38%	0.361%
13	9.619	1302	1306	1310	rBV	2487160	2116650	42.45%	2.853%
14	9.936	1357	1360	1363	rBV2	45654	61329	1.23%	0.083%
15	9.978	1363	1367	1372	rVV2	96108	120034	2.41%	0.162%
16	10.072	1380	1383	1387	rVB2	68484	71047	1.42%	0.096%
17	10.401	1435	1439	1442	rBV	3254714	2771068	55.58%	3.735%
18	10.531	1457	1461	1462	rBV2	50255	64371	1.29%	0.087%
19	10.989	1537	1539	1542	rVB2	84974	72338	1.45%	0.098%
20	11.025	1542	1545	1552	rVB	77893	88305	1.77%	0.119%
21	11.089	1553	1556	1559	rBV	2426016	2329608	46.72%	3.140%
22	11.113	1559	1560	1563	rVV	944563	557250	11.18%	0.751%
23	11.166	1566	1569	1572	rVB	360038	292641	5.87%	0.394%
24	11.207	1573	1576	1579	rVB3	61246	59091	1.19%	0.080%
25	11.419	1609	1612	1618	rVB	176152	164082	3.29%	0.221%
26	11.507	1624	1627	1631	rVB2	86085	97372	1.95%	0.131%
27	11.589	1639	1641	1644	rBV	292747	263735	5.29%	0.356%
28	11.619	1644	1646	1648	rVV	433558	316386	6.35%	0.426%
29	11.642	1648	1650	1653	rVV	380963	424192	8.51%	0.572%
30	11.666	1653	1654	1657	rVV2	212968	152947	3.07%	0.206%
31	11.701	1657	1660	1662	rVV	593014	600218	12.04%	0.809%
32	11.725	1662	1664	1672	rVB	336328	278074	5.58%	0.375%
33	11.795	1672	1676	1678	rBV4	36200	60931	1.22%	0.082%
34	11.825	1678	1681	1684	rVB	164203	133944	2.69%	0.181%

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Sample : K3509-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-06-062619-A

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-BF062119.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.889	1689	1692	1693	rBV2	174039	164129	3.29%	0.221%
36	12.013	1711	1713	1715	rBV	72837	68337	1.37%	0.092%
37	12.036	1715	1717	1720	rVV	139859	127408	2.56%	0.172%
38	12.066	1720	1722	1724	rVV	206857	164016	3.29%	0.221%
39	12.089	1724	1726	1728	rVB2	126724	93622	1.88%	0.126%
40	12.142	1731	1735	1737	rBV	427742	436459	8.75%	0.588%
41	12.172	1737	1740	1742	rVV2	267200	295248	5.92%	0.398%
42	12.195	1742	1744	1745	rVV	220592	166367	3.34%	0.224%
43	12.213	1745	1747	1750	rVV	364753	409944	8.22%	0.553%
44	12.260	1753	1755	1757	rBV	66841	56792	1.14%	0.077%
45	12.295	1757	1761	1767	rVB	3100889	2646395	53.08%	3.567%
46	12.348	1767	1770	1774	rBV3	162043	228817	4.59%	0.308%
47	12.383	1774	1776	1780	rVB2	113822	113649	2.28%	0.153%
48	12.424	1780	1783	1791	rBV4	618890	956098	19.18%	1.289%
49	12.519	1795	1799	1802	rVV	3408625	3372246	67.64%	4.546%
50	12.548	1802	1804	1806	rVV2	157023	156530	3.14%	0.211%
51	12.583	1808	1810	1814	rVB2	185369	206803	4.15%	0.279%
52	12.642	1817	1820	1822	rBV	178773	162509	3.26%	0.219%
53	12.677	1822	1826	1829	rVV	5499641	4985830	100.00%	6.721%
54	12.742	1832	1837	1840	rBV3	327219	434977	8.72%	0.586%
55	12.824	1848	1851	1853	rBV3	239124	291537	5.85%	0.393%
56	12.848	1853	1855	1859	rVB	507610	438345	8.79%	0.591%
57	12.913	1864	1866	1869	rBV	258713	216204	4.34%	0.291%
58	12.948	1869	1872	1876	rVV	498738	479337	9.61%	0.646%
59	13.013	1880	1883	1885	rBV3	85590	99231	1.99%	0.134%
60	13.042	1885	1888	1891	rBV	408105	317629	6.37%	0.428%
61	13.072	1891	1893	1896	rVB	384883	284071	5.70%	0.383%
62	13.348	1937	1940	1945	rVB	264331	320569	6.43%	0.432%
63	13.413	1949	1951	1954	rVB	100166	78529	1.58%	0.106%
64	13.460	1955	1959	1962	rBV3	411594	534747	10.73%	0.721%
65	13.489	1962	1964	1966	rVV	266260	248929	4.99%	0.336%
66	13.507	1966	1967	1969	rVV	262793	219006	4.39%	0.295%
67	13.554	1973	1975	1980	rVB	211680	229405	4.60%	0.309%
68	13.707	1996	2001	2004	rBV2	2831661	4035562	80.94%	5.440%
69	13.736	2004	2006	2008	rVB	1794747	1307173	26.22%	1.762%
70	13.813	2014	2019	2021	rBV2	205854	250235	5.02%	0.337%
71	13.919	2035	2037	2041	rVB2	150897	141512	2.84%	0.191%

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Instrument : BNA_F
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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Start Thrs: 0.2 Max Peaks: 100
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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.060	2059	2061	2063	rBV	163391	156195	3.13%	0.211%
73	14.095	2063	2067	2070	rVB	515922	518604	10.40%	0.699%
74	14.130	2070	2073	2076	rVB	264951	225458	4.52%	0.304%
75	14.183	2080	2082	2085	rVB2	215141	184129	3.69%	0.248%
76	14.219	2085	2088	2090	rBV	476706	469752	9.42%	0.633%
77	14.513	2134	2138	2141	rBV2	358003	397552	7.97%	0.536%
78	14.701	2166	2170	2173	rBV	1575838	2247806	45.08%	3.030%
79	14.795	2183	2186	2187	rBV	278634	244349	4.90%	0.329%
80	14.966	2211	2215	2220	rVB	1012552	1122636	22.52%	1.513%
81	15.018	2220	2224	2228	rBV	1362729	1455665	29.20%	1.962%
82	15.077	2229	2234	2236	rBV	1628696	1900725	38.12%	2.562%
83	15.142	2243	2245	2252	rVB2	404700	553237	11.10%	0.746%
84	15.524	2307	2310	2313	rBV2	263203	311967	6.26%	0.421%
85	16.330	2443	2447	2454	rVB2	503549	868749	17.42%	1.171%
86	16.707	2507	2511	2519	rVB	396910	662333	13.28%	0.893%

Sum of corrected areas: 74186478

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062719\
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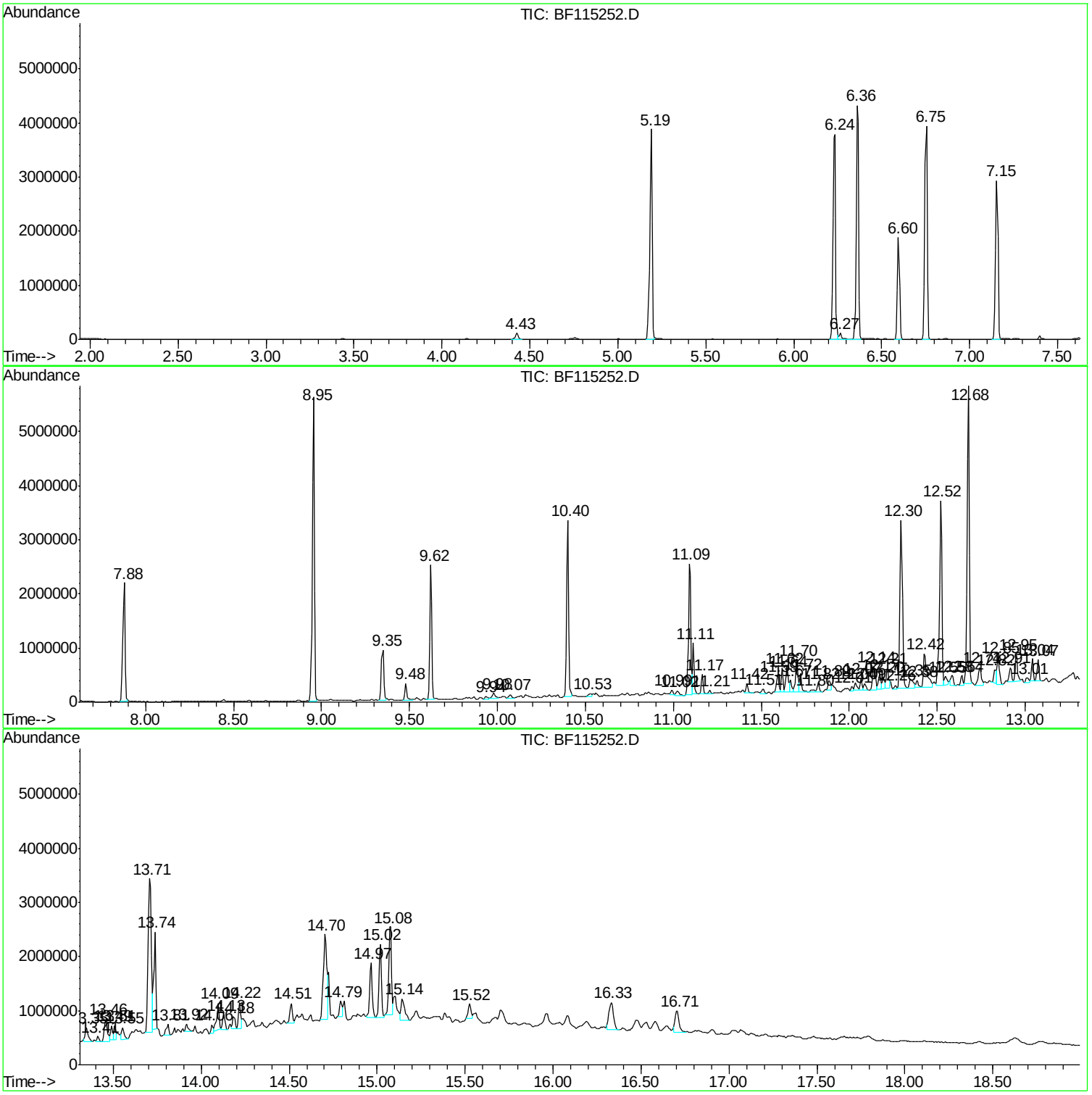
Operator : HP/JU
Sample : K3509-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-06-062619-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.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\BF062719\
Data File : BF115252.D
Acq On : 27 Jun 2019 23:34
Operator : HP/JU
Sample : K3509-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-06-062619-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

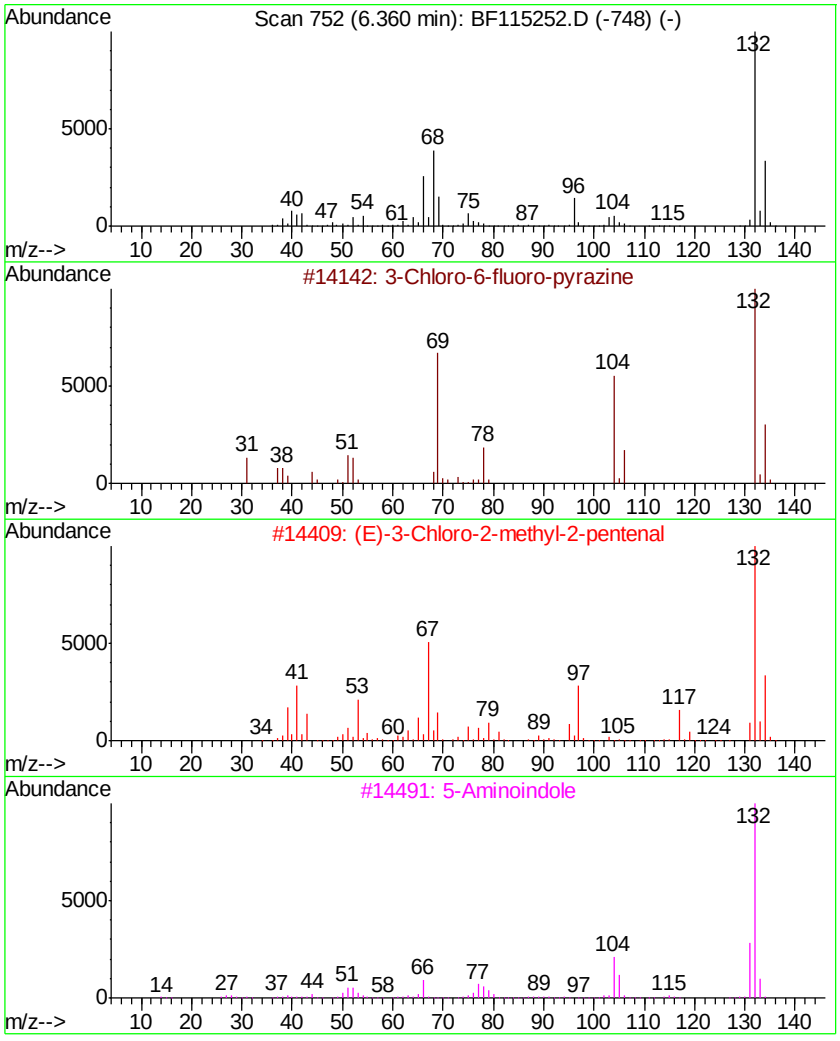
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

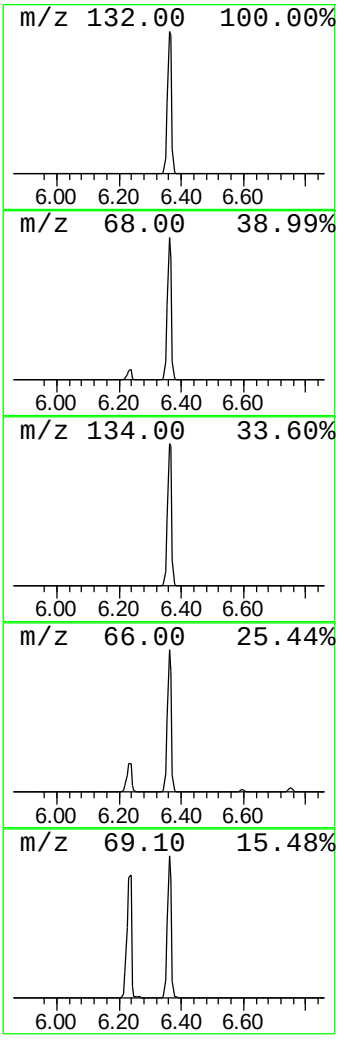
****

Peak Number 1 unknown-01 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.36	58.78 ng	4166030	1,4-Dichlorobenzene-d4	6.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	Xenon	132	Xe	007440-63-3	9





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Operator : HP/JU
Sample : K3509-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-06-062619-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

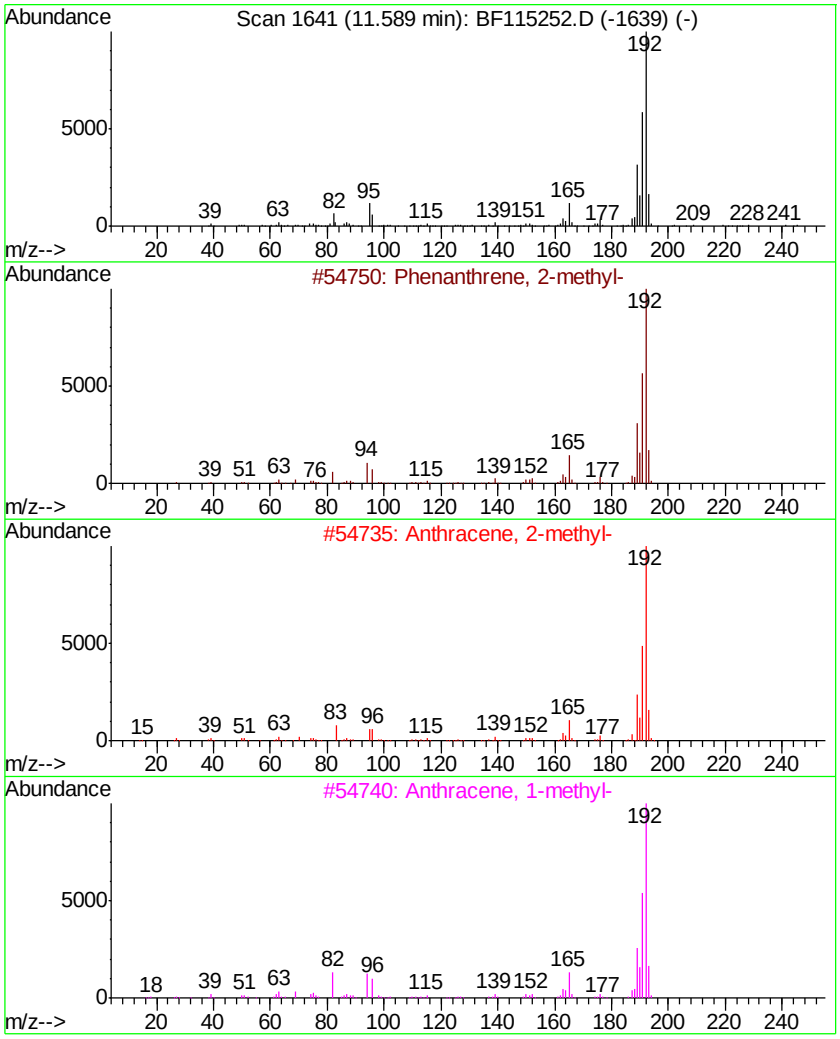
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

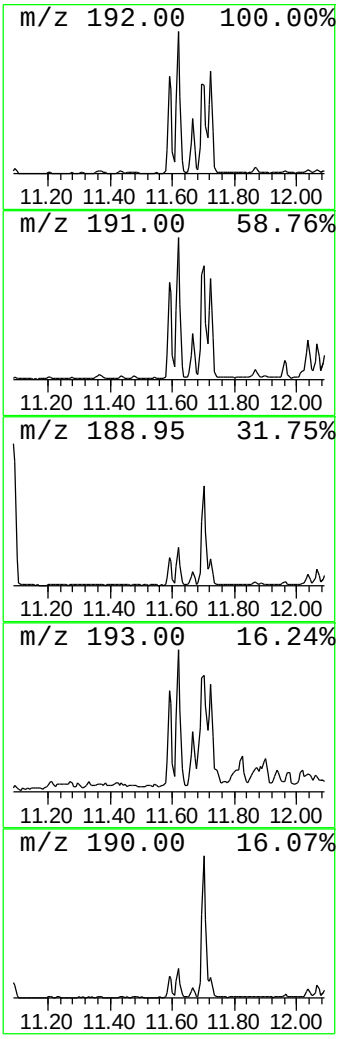
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.59	2.26 ng	263735	Phenanthrene-d10	11.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





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Acq On : 27 Jun 2019 23:34
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Sample : K3509-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-06-062619-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

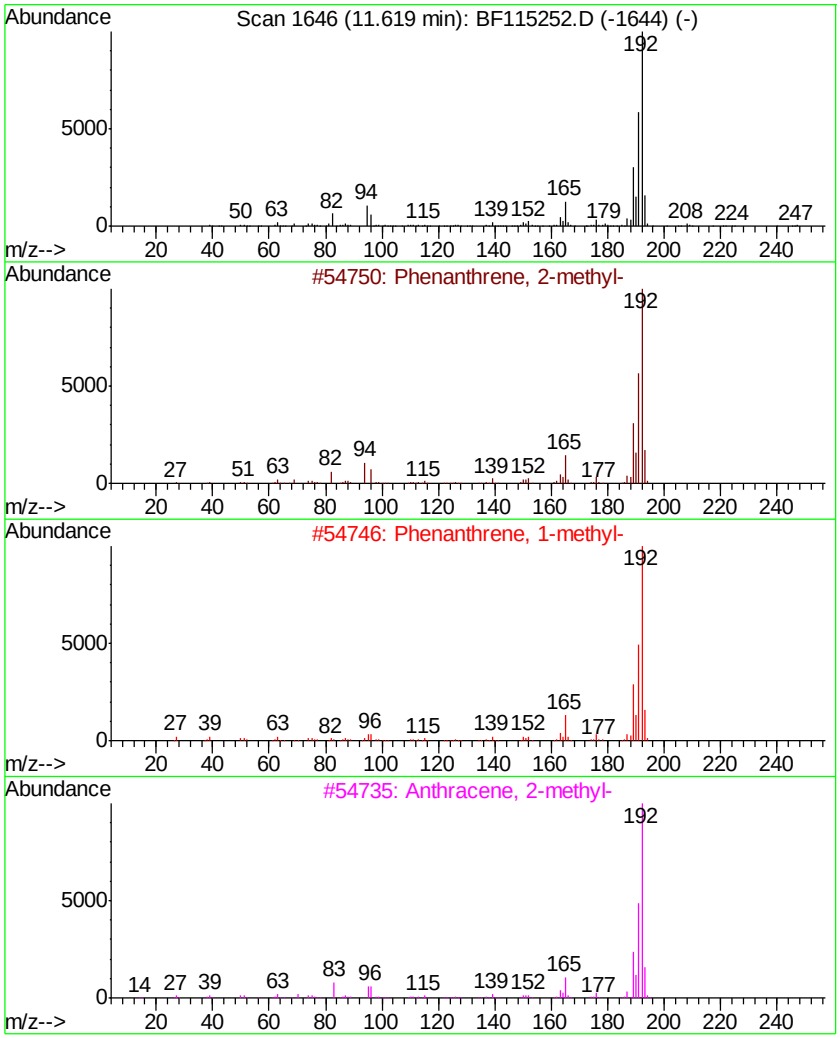
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

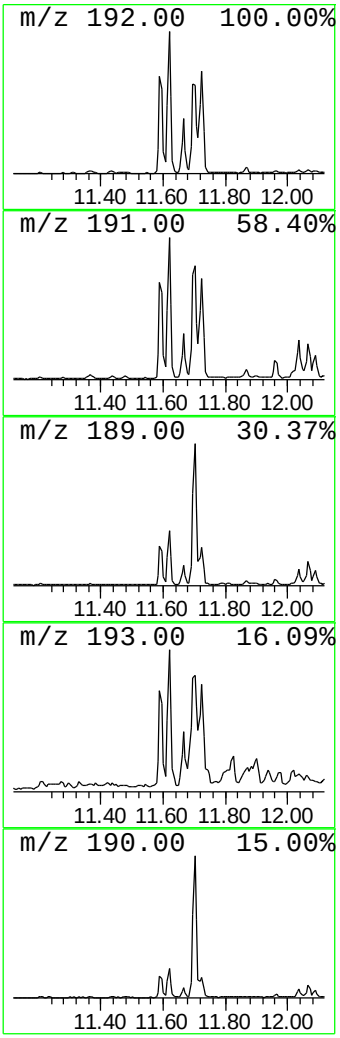
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	2.72 ng	316386	Phenanthrene-d10	11.09

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-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94





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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-06-062619-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

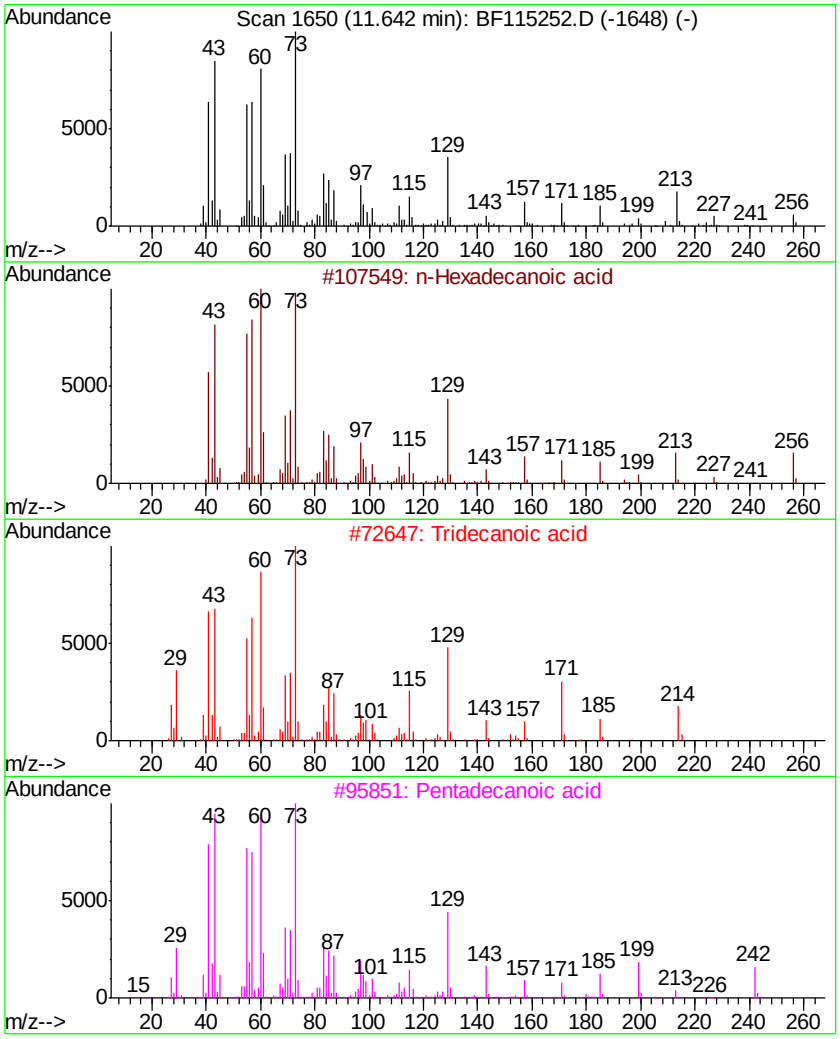
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

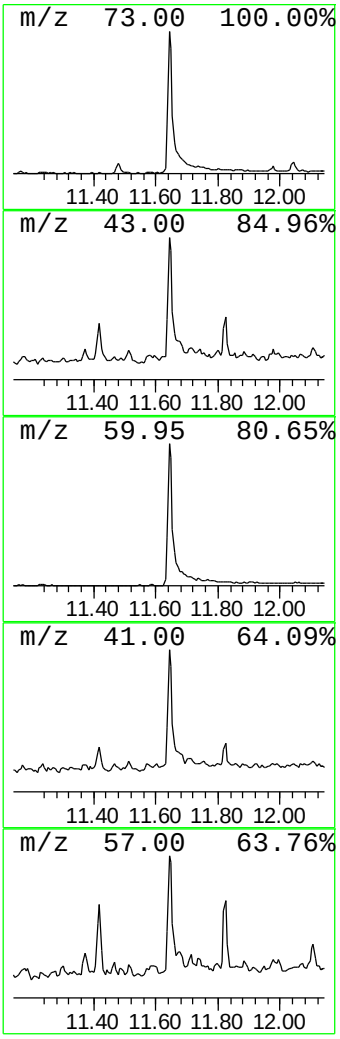
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.64	3.64 ng	424192	Phenanthrene-d10	11.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	95
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
4	Dodecanoic acid	200	C12H24O2	000143-07-7	76
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	72





Library Search Compound Report

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Misc :
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Instrument : BNA_F
ClientSampleId : SA-06-062619-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

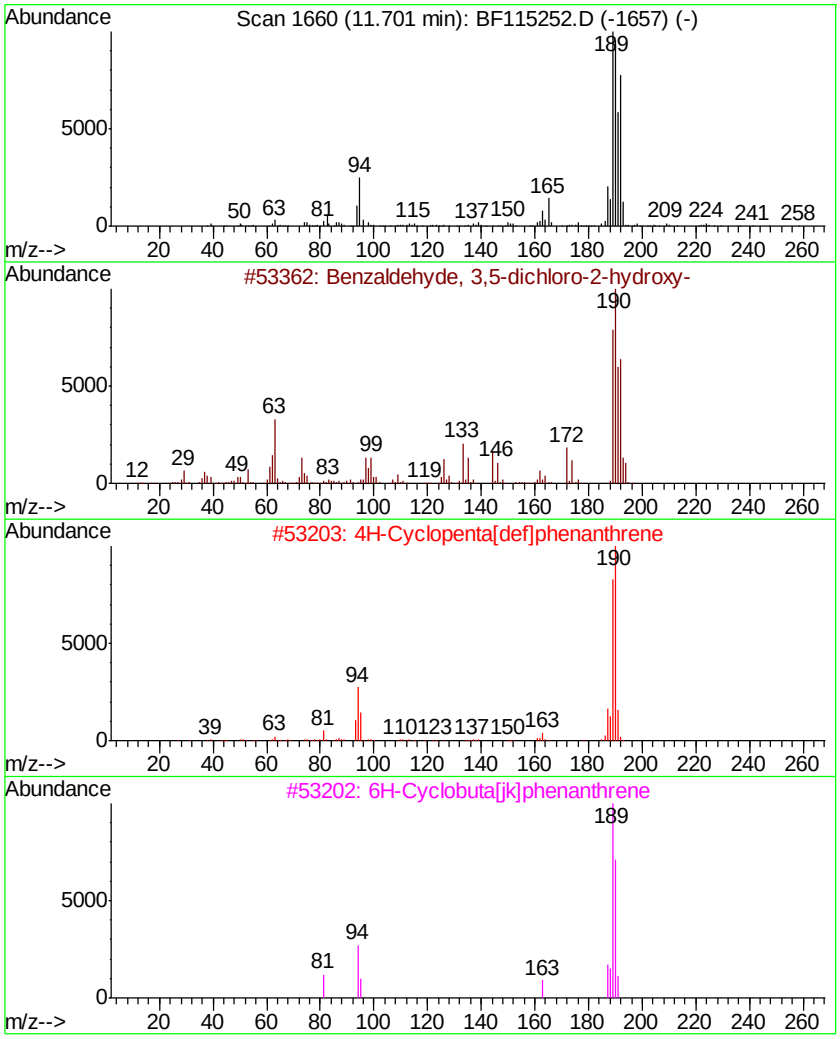
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

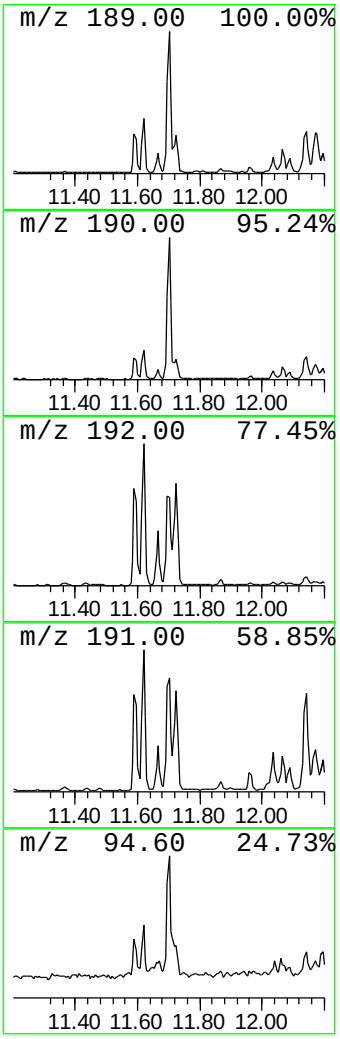
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	5.15 ng	600218	Phenanthrene-d10	11.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	38





Library Search Compound Report

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Operator : HP/JU
Sample : K3509-01
Misc :
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Instrument : BNA_F
ClientSampleId : SA-06-062619-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.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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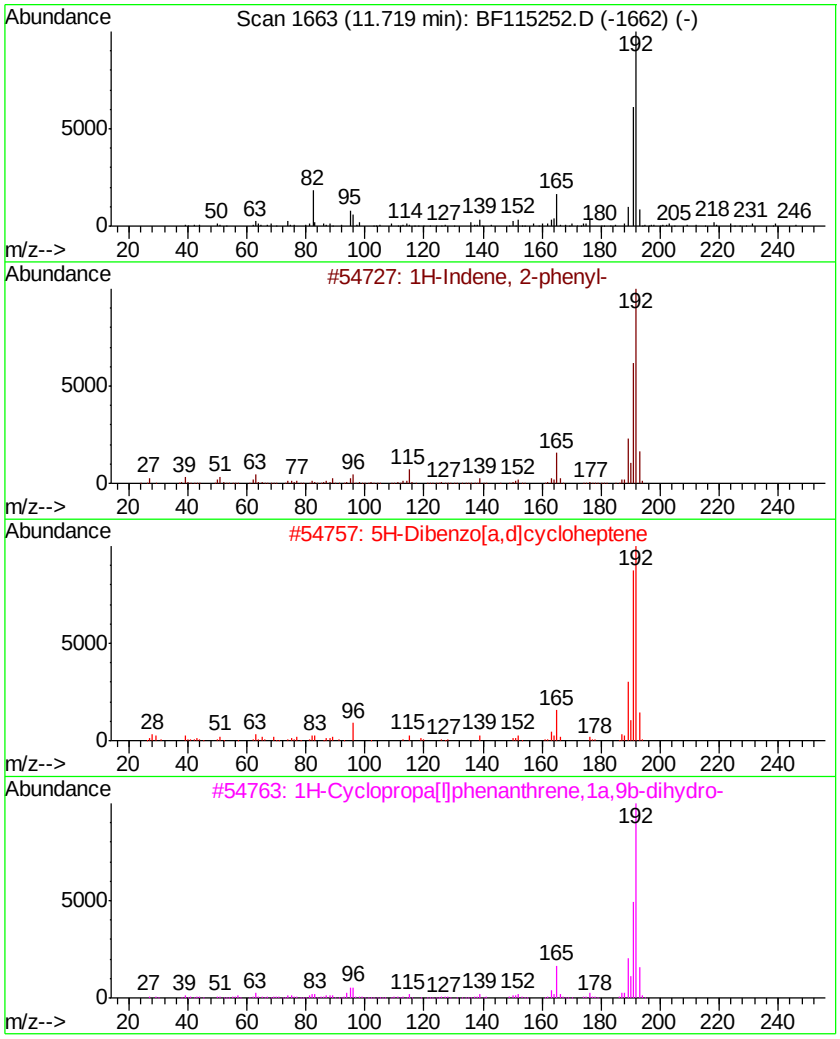
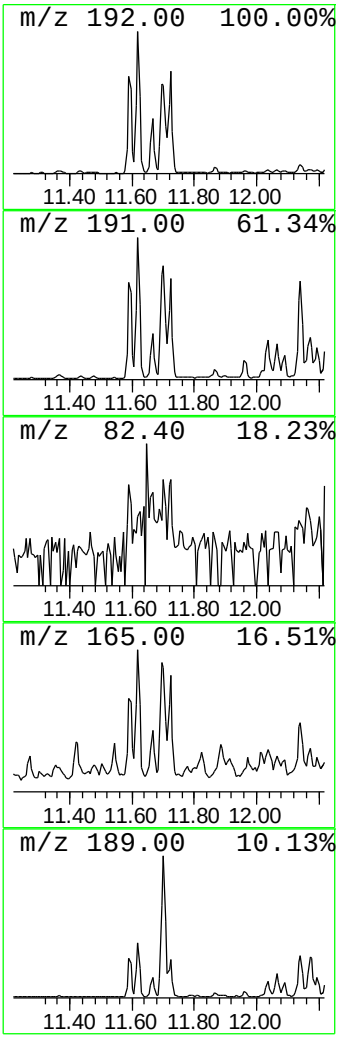
Peak Number 7 1H-Indene, 2-phenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	2.39 ng	278074	Phenanthrene-d10	11.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	87
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	81
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	80
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	80





Library Search Compound Report

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Data File : BF115252.D
Acq On : 27 Jun 2019 23:34
Operator : HP/JU
Sample : K3509-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-06-062619-A

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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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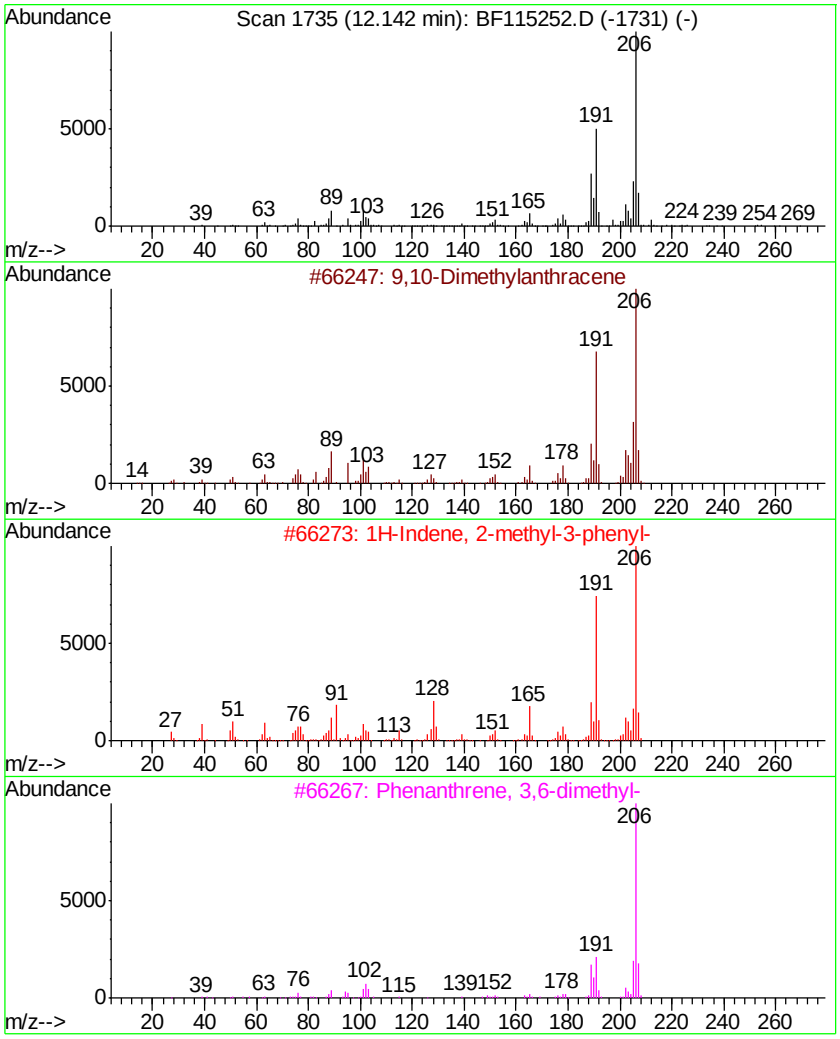
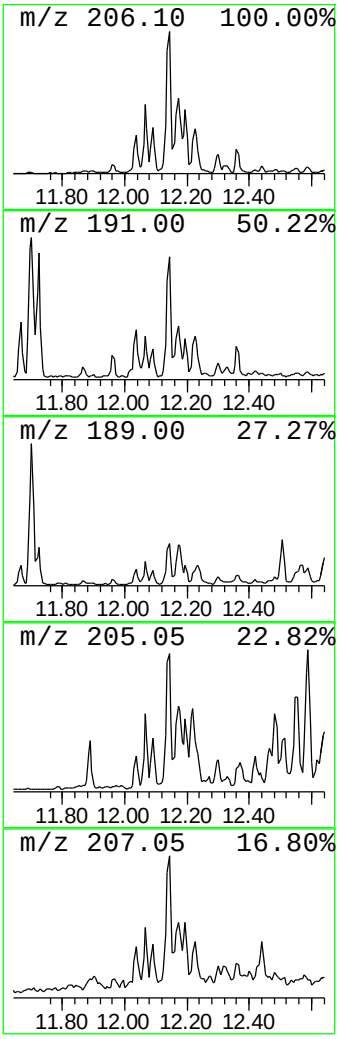
Peak Number 8 9,10-Dimethylanthracene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	3.75 ng	436459	Phenanthrene-d10	11.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
2	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	90
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





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ALS Vial : 13 Sample Multiplier: 1

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ClientSampleId : SA-06-062619-A

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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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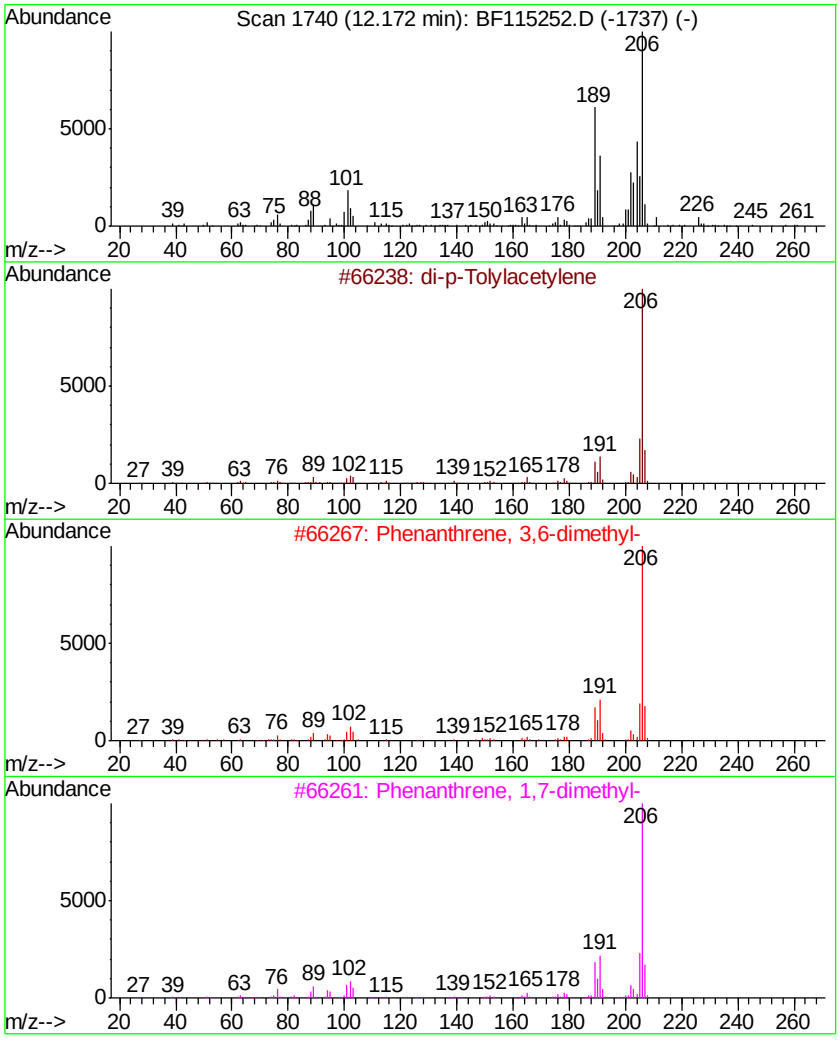
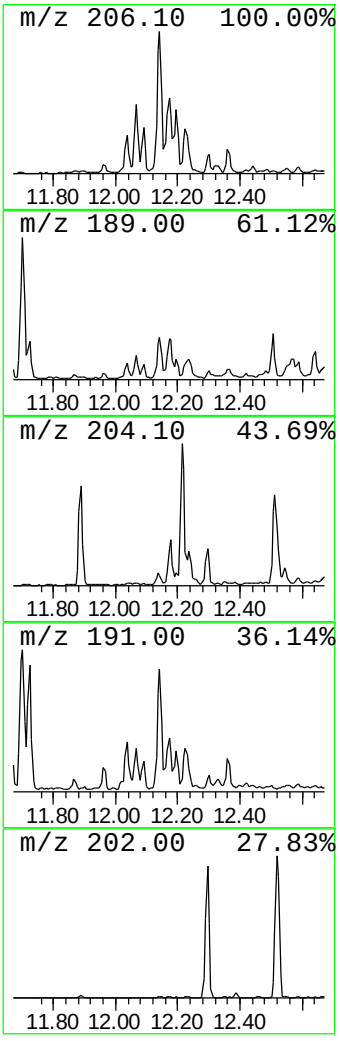
Peak Number 9 di-p-Tolylacetylene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	2.53 ng	295248	Phenanthrene-d10	11.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	64
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	47
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	46
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	43
5	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	43





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ClientSampleId : SA-06-062619-A

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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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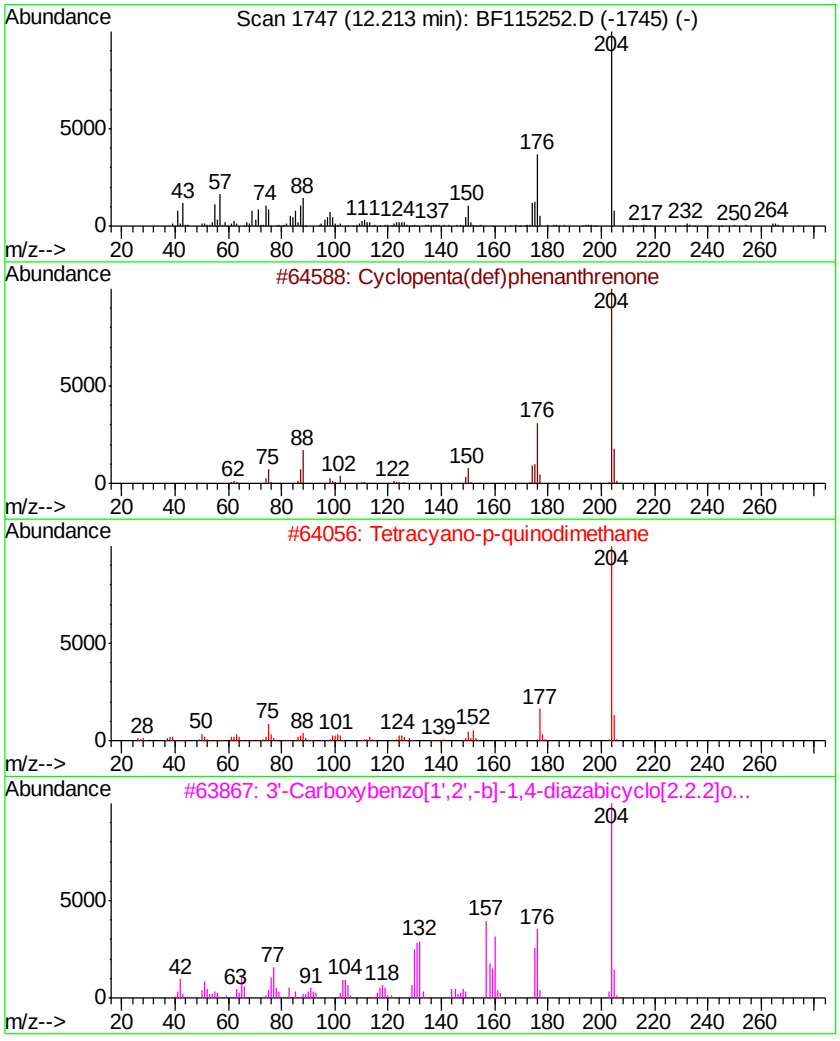
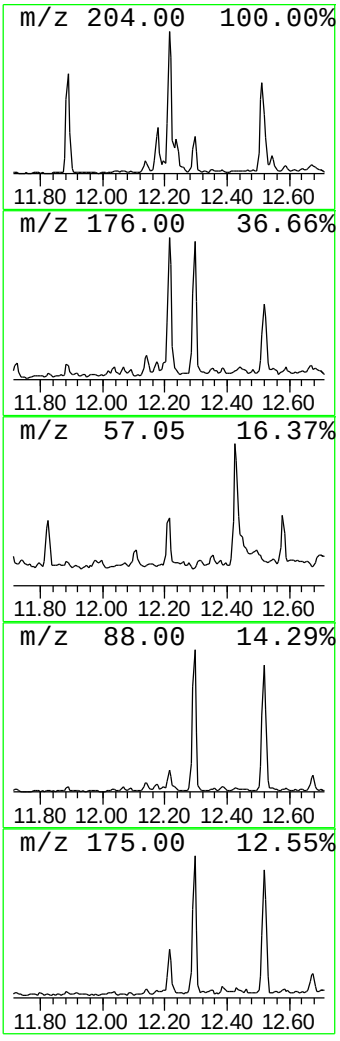
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.21	3.52 ng	409944	Phenanthrene-d10	11.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	87
2	Tetracyano-p-quinodimethane	204	C12H4N4	001518-16-7	32
3	3'-Carboxybenzo[1',2',-b]-1,4-di...	204	C11H12N2O2	138023-41-3	9
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	9
5	Thiazole-5-carboxylic acid, 4-am...	204	C6H8N2O2S2	060093-05-2	9





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Misc :
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ClientSampleId : SA-06-062619-A

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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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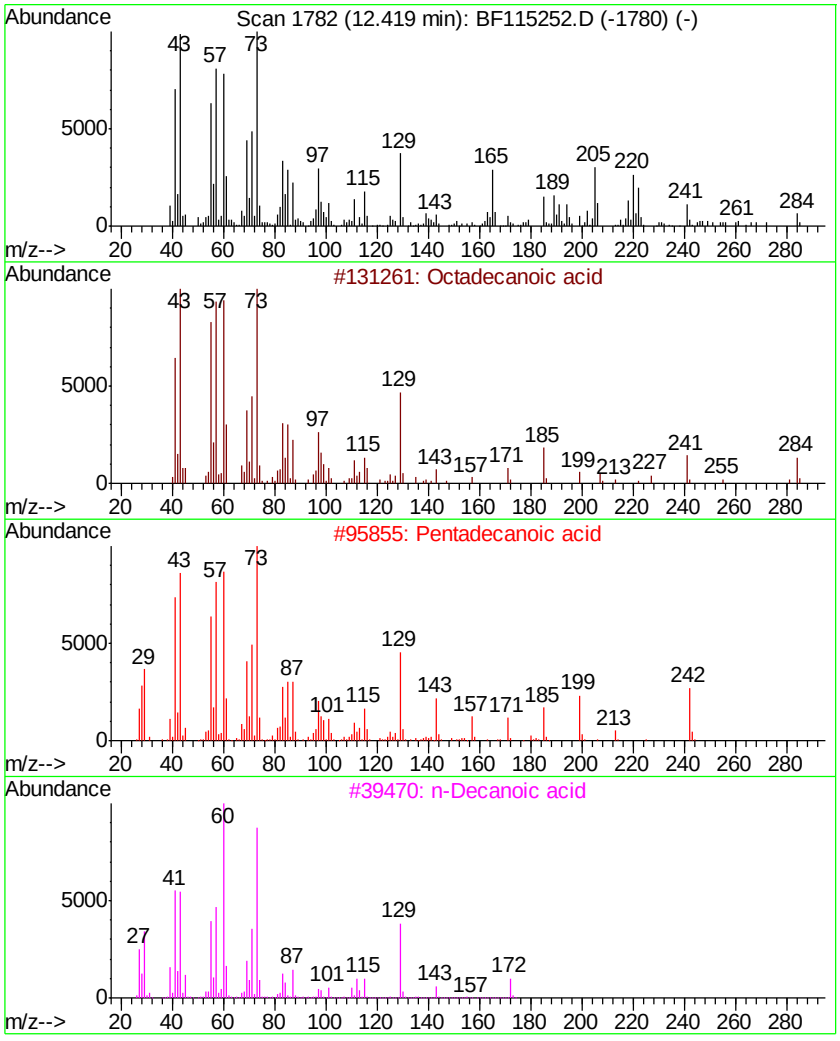
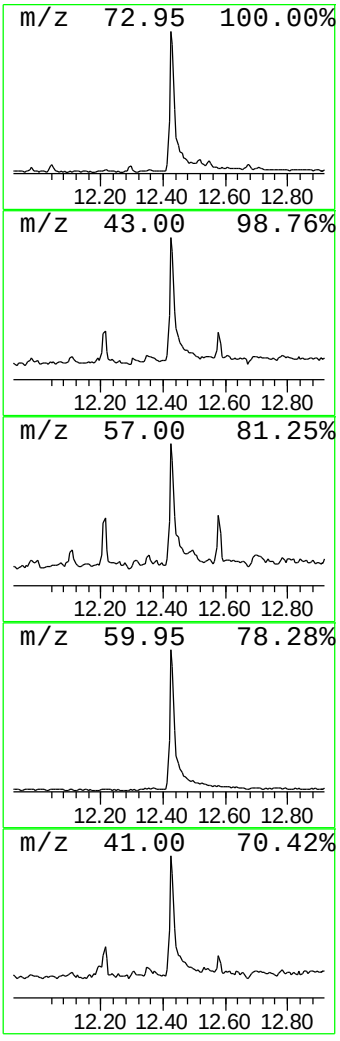
Peak Number 11 Octadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	4.74 ng	956098	Chrysene-d12	13.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	81
3	n-Decanoic acid	172	C10H20O2	000334-48-5	76
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	72
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	64





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Sample : K3509-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-06-062619-A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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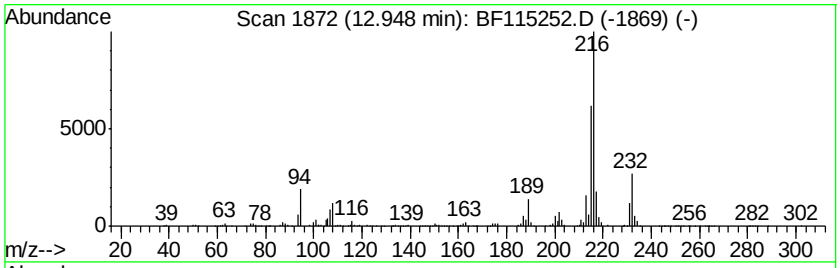
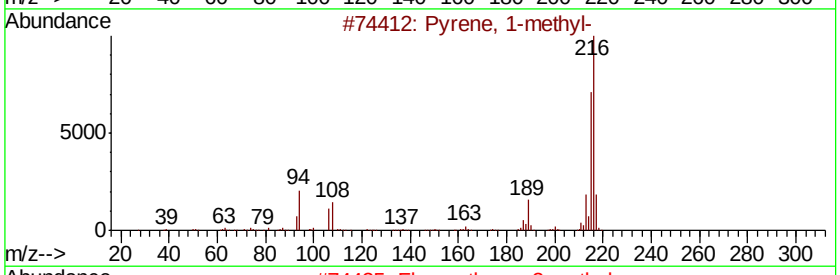
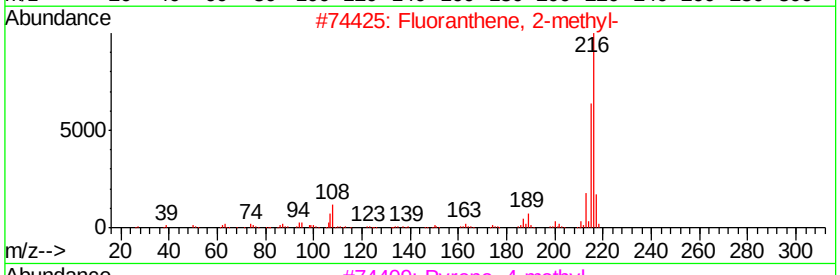
Peak Number 12 Pyrene, 1-methyl- Concentration Rank 18

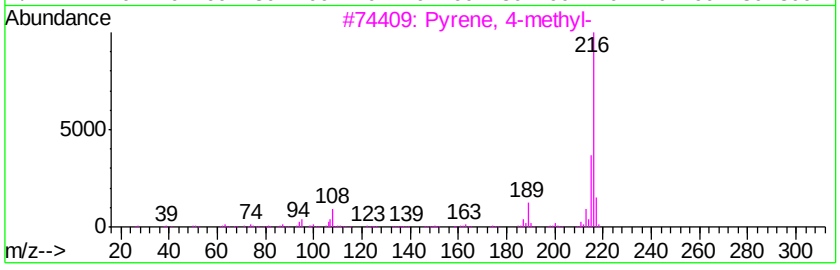
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.95	2.38 ng	479337	Chrysene-d12	13.71

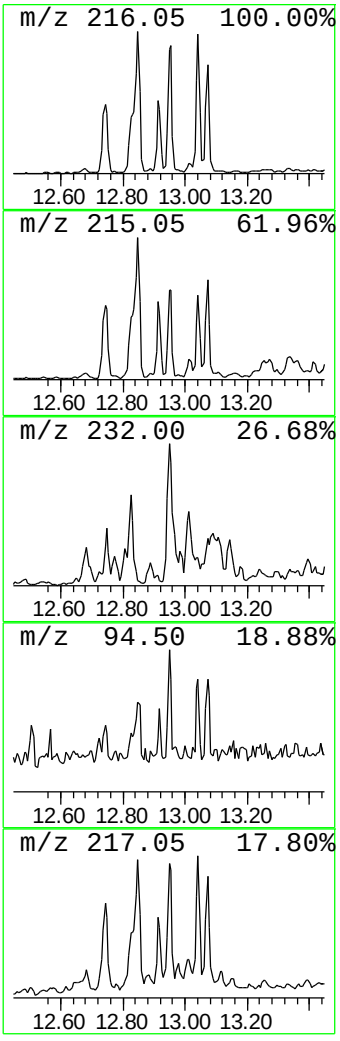
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	92
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81











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Acq On : 27 Jun 2019 23:34
Operator : HP/JU
Sample : K3509-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-06-062619-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.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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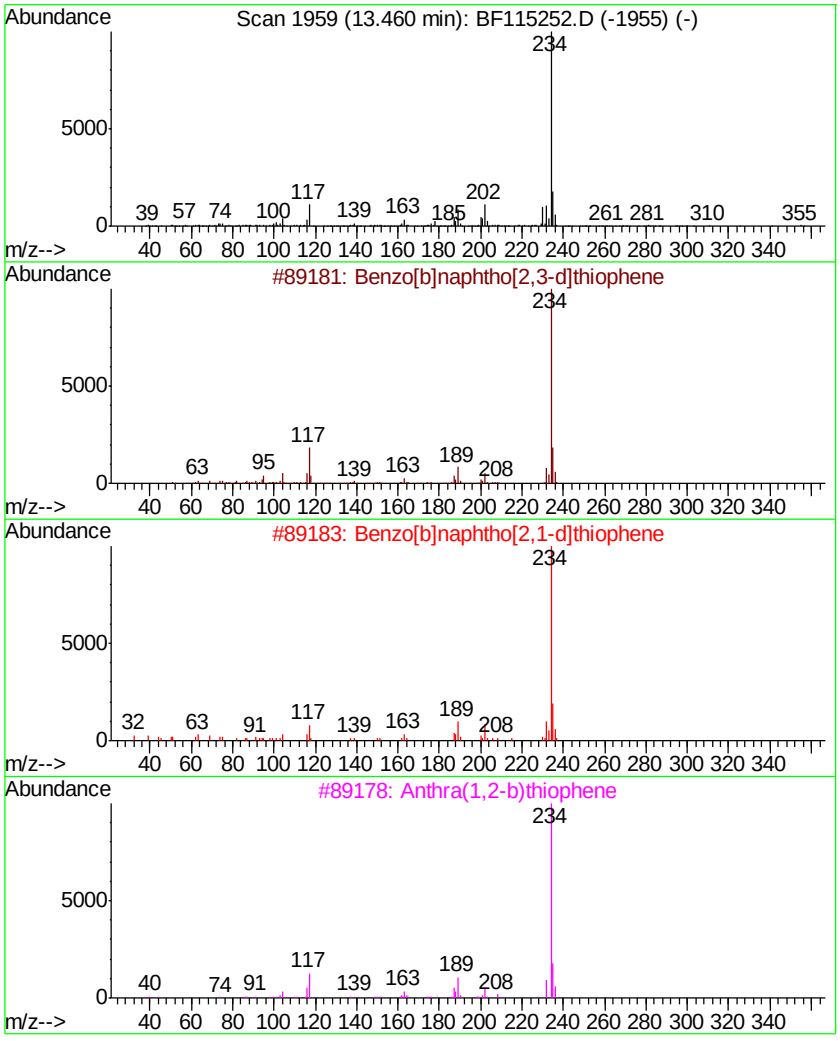
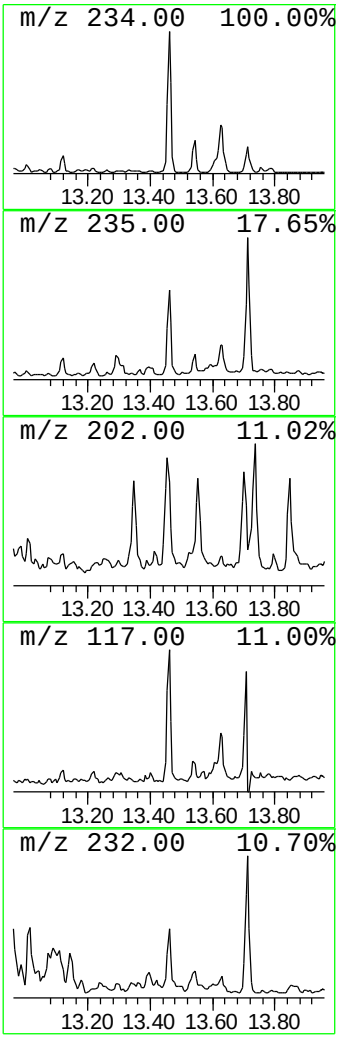
Peak Number 13 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.46	2.65 ng	534747	Chrysene-d12	13.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
3	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	90
4	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	90
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	90





Library Search Compound Report

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Sample : K3509-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-06-062619-A

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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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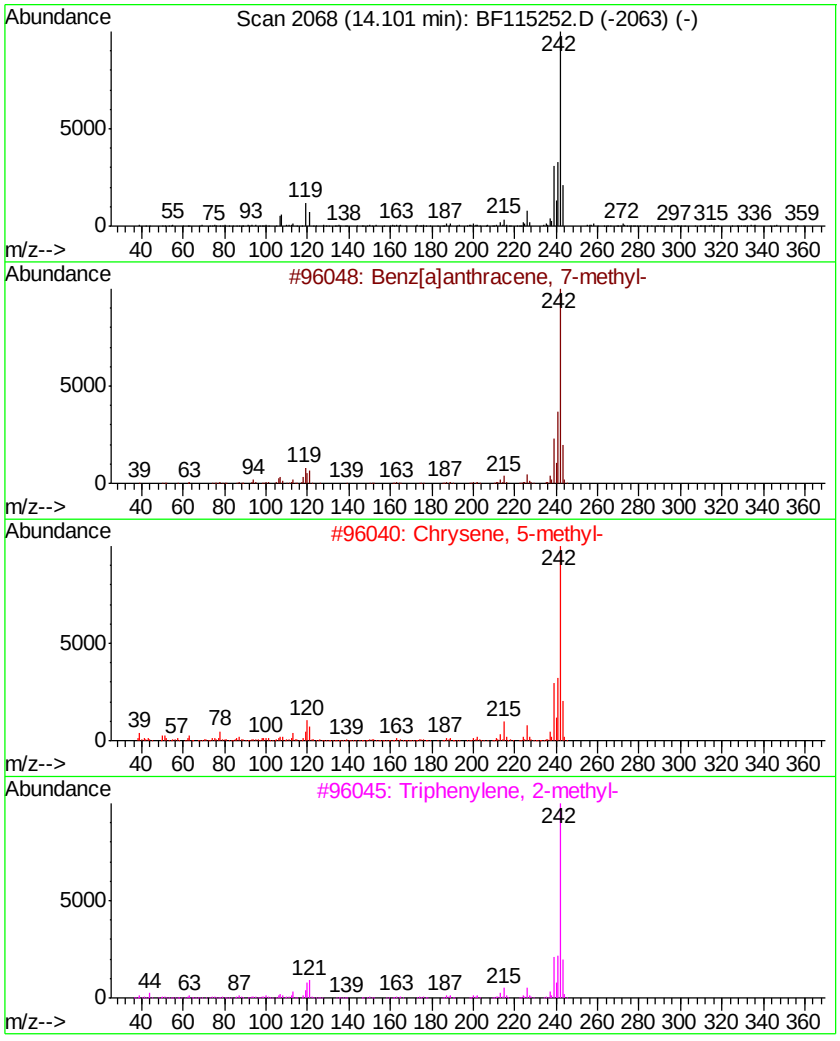
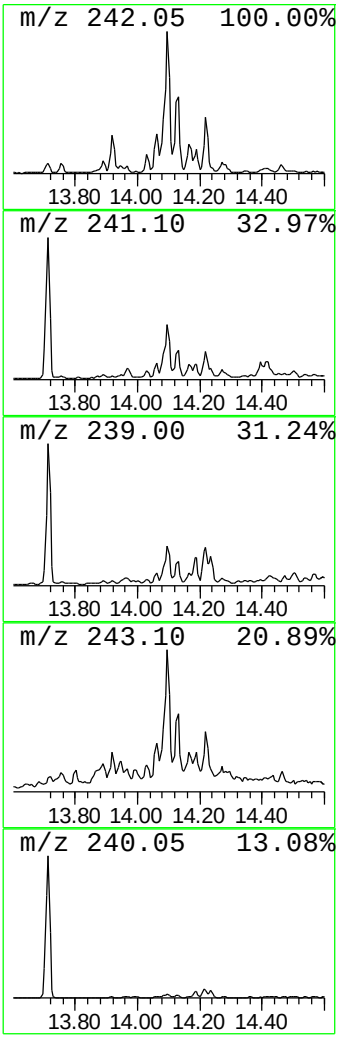
Peak Number 14 Benz[a]anthracene, 7-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	2.57 ng	518604	Chrysene-d12	13.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	91
2	Chrysene, 5-methyl-	242	C19H14	003697-24-3	90
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	90
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	90
5	Chrysene, 1-methyl-	242	C19H14	003351-28-8	90





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ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-06-062619-A

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

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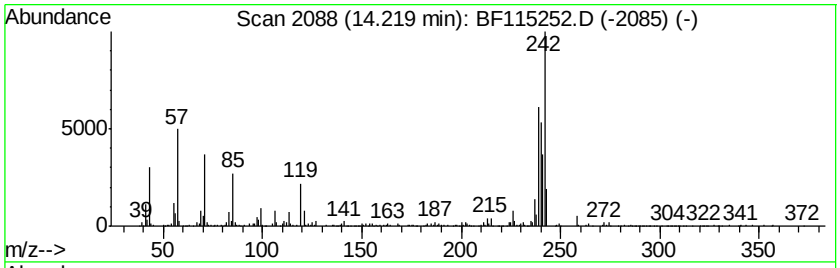
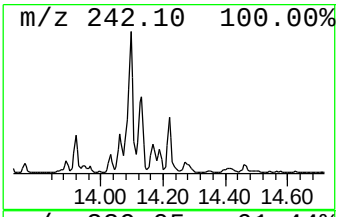
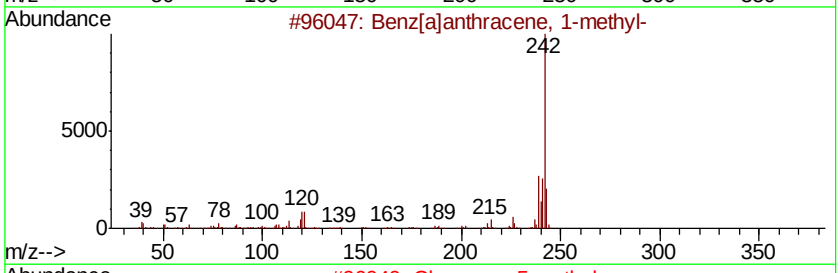
Peak Number 15 Benz[a]anthracene, 1-methyl- Concentration Rank 19

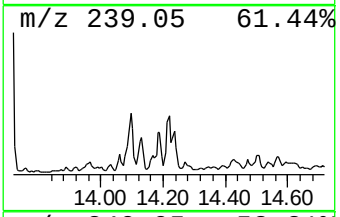
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.22	2.33 ng	469752	Chrysene-d12	13.71

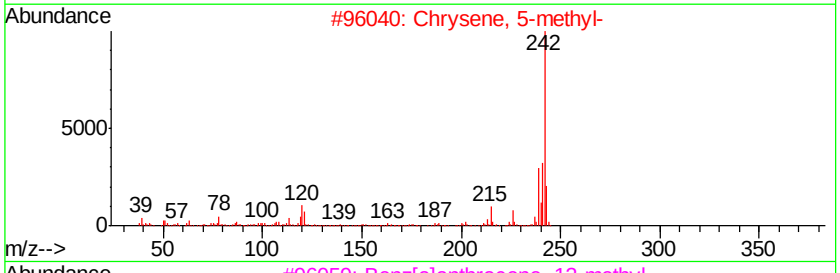
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	83
2	Chrysene, 5-methyl-	242	C19H14	003697-24-3	64
3	Benz[a]anthracene, 12-methyl-	242	C19H14	002422-79-9	62
4	Chrysene, 6-methyl-	242	C19H14	001705-85-7	62
5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	50

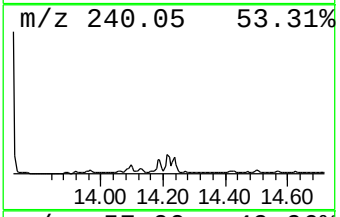


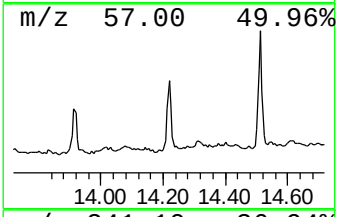


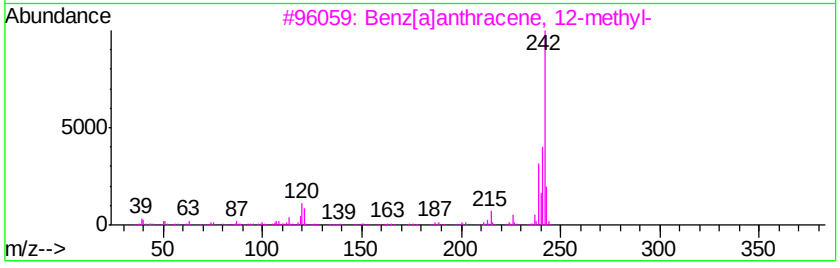


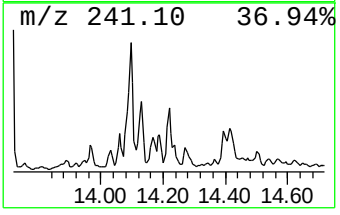












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TIC Library : C:\DATABASE\NIST11.L
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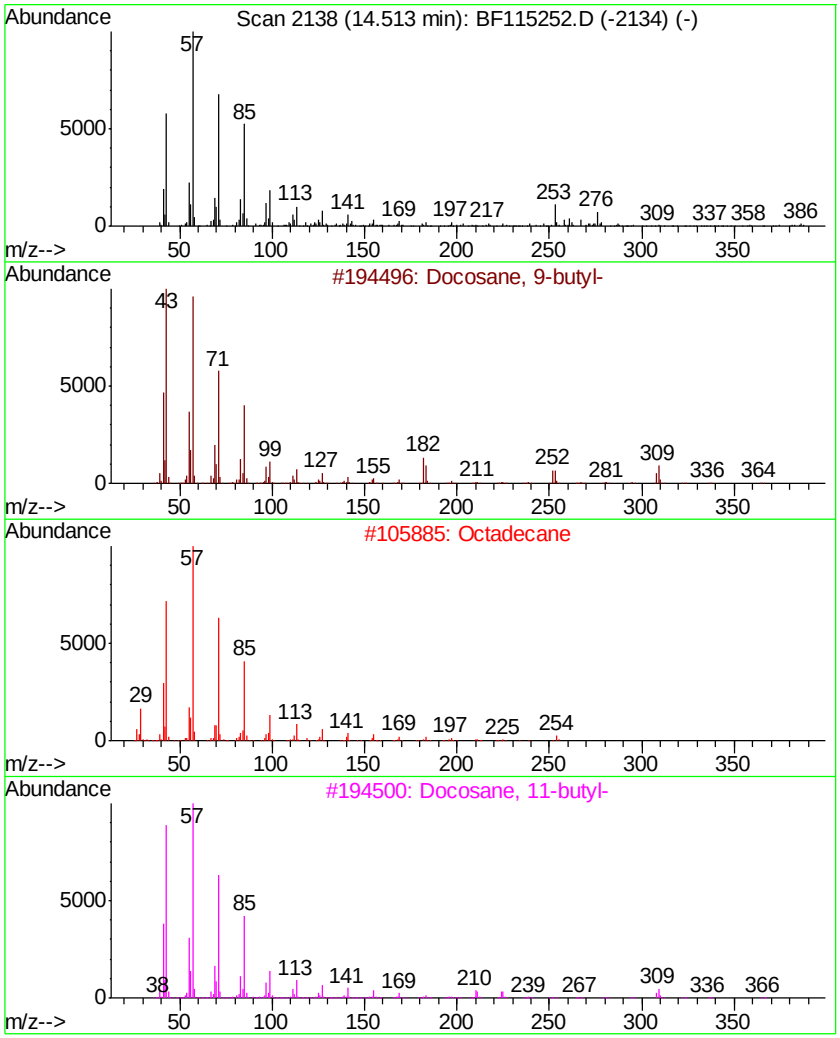
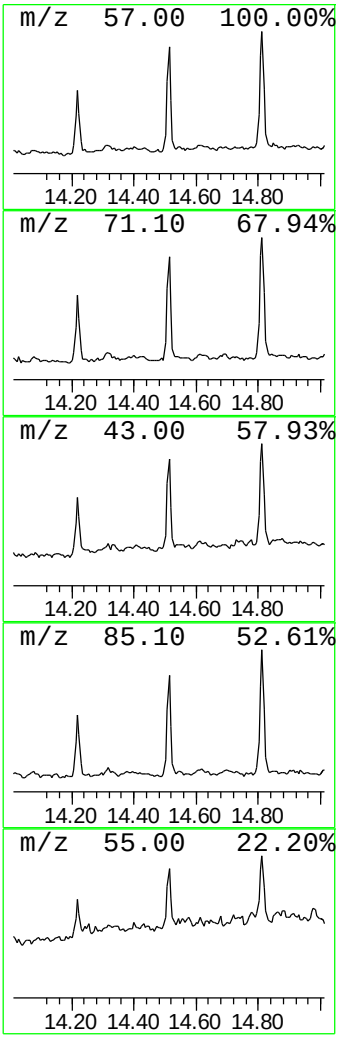
Peak Number 16 Docosane, 9-butyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.51	4.18 ng	397552	Perylene-d12	15.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane, 9-butyl-	366	C26H54	055282-14-9	93
2	Octadecane	254	C18H38	000593-45-3	89
3	Docosane, 11-butyl-	366	C26H54	013475-76-8	86
4	2-methyloctacosane	408	C29H60	1000376-72-8	81
5	Heneicosane	296	C21H44	000629-94-7	81





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Data File : BF115252.D
Acq On : 27 Jun 2019 23:34
Operator : HP/JU
Sample : K3509-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-06-062619-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.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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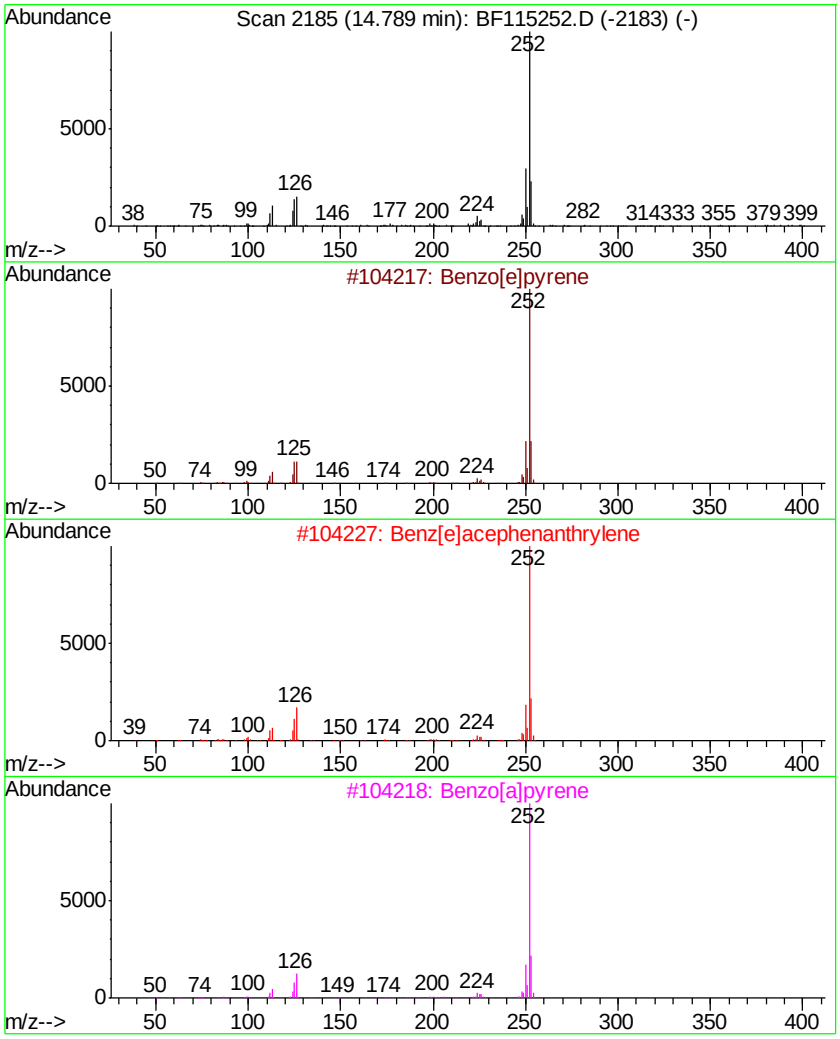
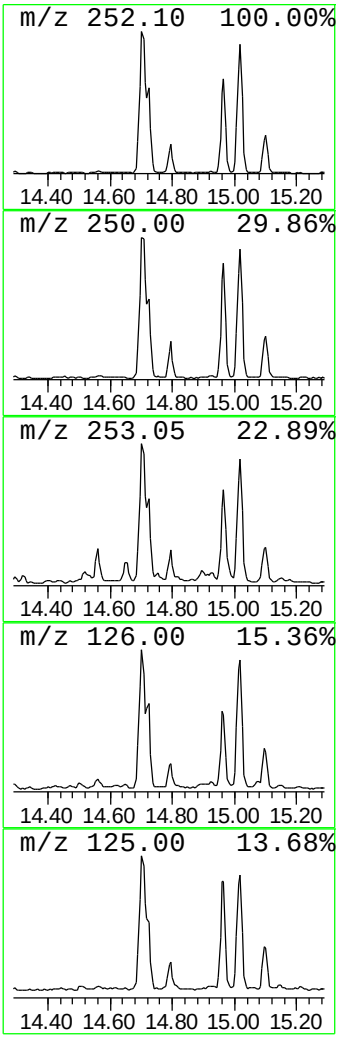
Peak Number 17 Benzo[e]pyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.79	2.57 ng	244349	Perylene-d12	15.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Perylene	252	C20H12	000198-55-0	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062719\
Data File : BF115252.D
Acq On : 27 Jun 2019 23:34
Operator : HP/JU
Sample : K3509-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-06-062619-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
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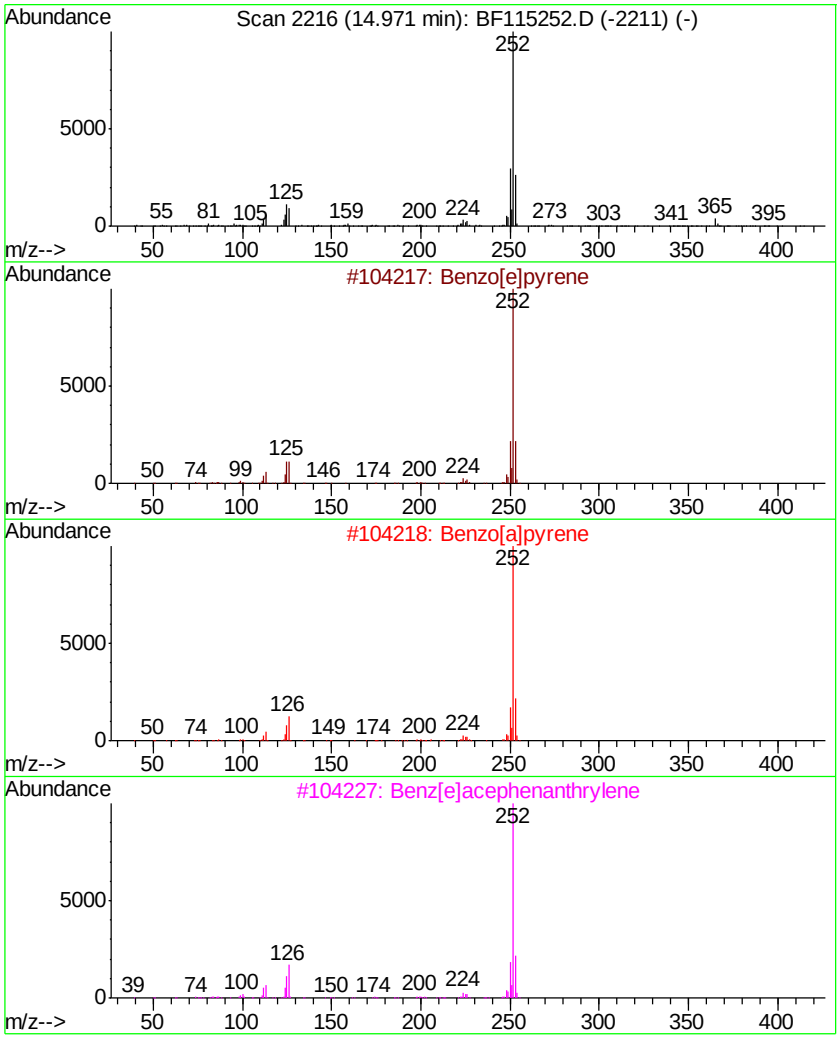
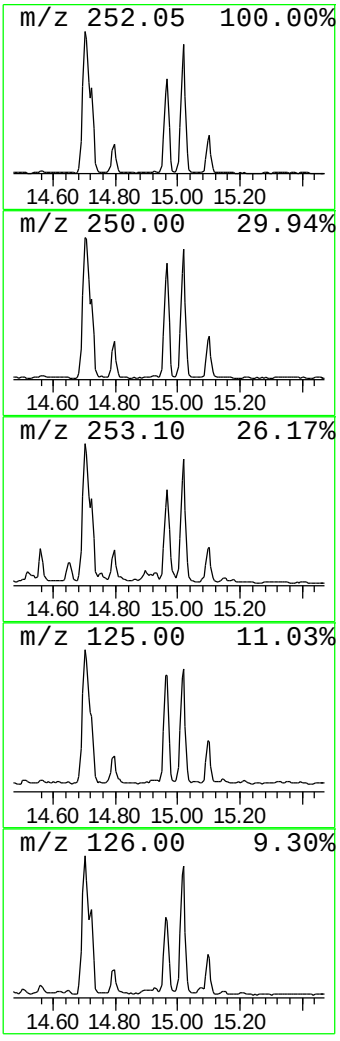
Peak Number 18 unknown14.97 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.97	11.81 ng	1122640	Perylene-d12	15.08

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	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Perylene	252	C20H12	000198-55-0	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062719\
Data File : BF115252.D
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Operator : HP/JU
Sample : K3509-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-06-062619-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
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TIC Integration Parameters: LSCINT.P

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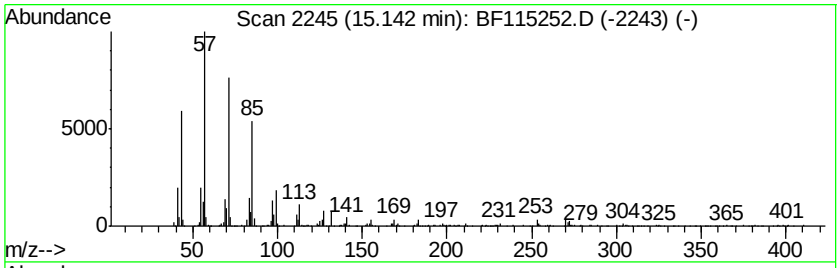
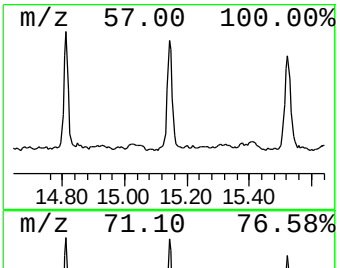
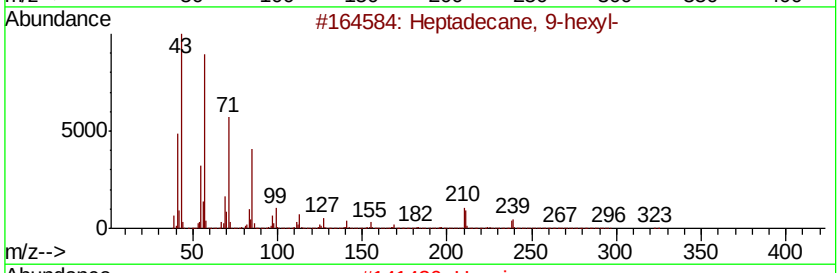
Peak Number 19 Heptadecane, 9-hexyl- Concentration Rank 4

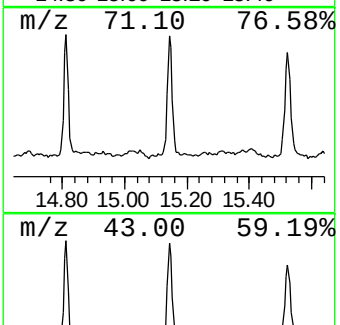
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.14	5.82 ng	553237	Perylene-d12	15.08

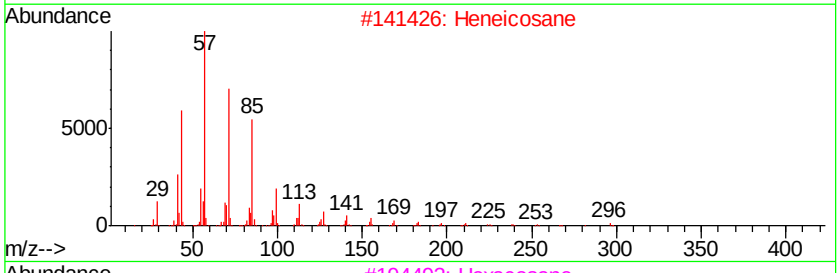
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 9-hexyl-	324	C23H48	055124-79-3	91
2	Heneicosane	296	C21H44	000629-94-7	91
3	Hexacosane	366	C26H54	000630-01-3	91
4	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	91
5	Eicosane	282	C20H42	000112-95-8	91

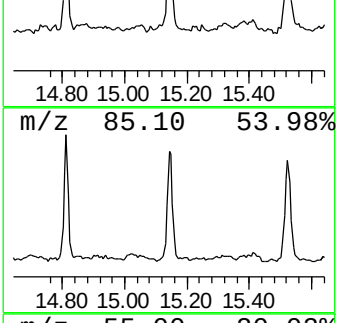


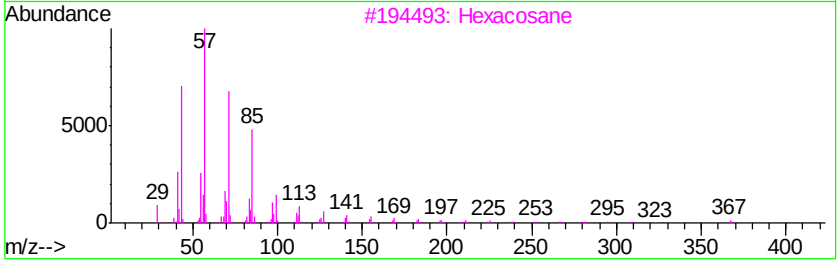












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062719\
Data File : BF115252.D
Acq On : 27 Jun 2019 23:34
Operator : HP/JU
Sample : K3509-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-06-062619-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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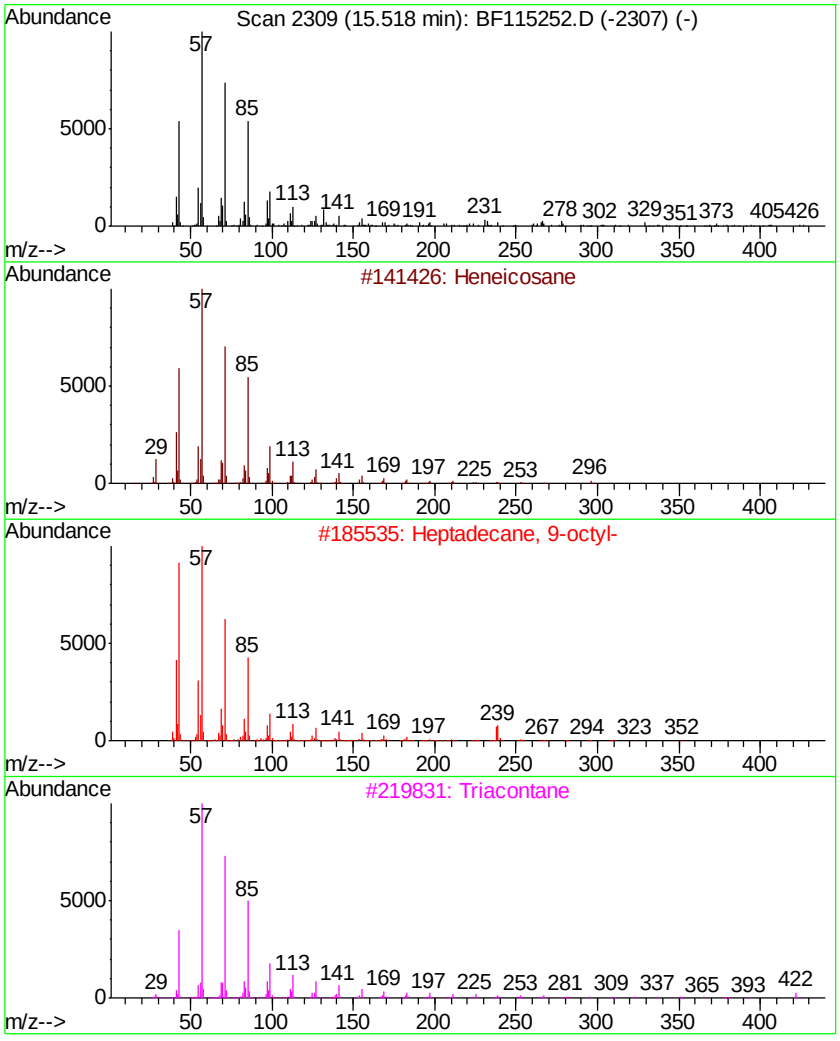
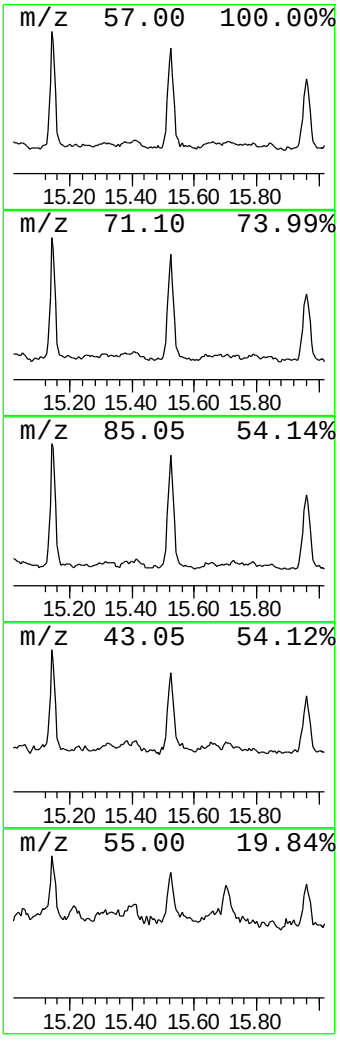
Peak Number 20 Octacosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.52	3.28 ng	311967	Perylene-d12	15.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	87
2	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	87
3	Triacontane	422	C30H62	000638-68-6	86
4	Octacosane	394	C28H58	000630-02-4	83
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF062719\
Data File : BF115252.D
Acq On : 27 Jun 2019 23:34
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Sample : K3509-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-06-062619-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.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
unknown-01	6.36	58.8	ng	4166030	1	6.60	1417400	20.0
Phenanthrene, 2-m...	11.59	2.3	ng	263735	4	11.09	2329610	20.0
Phenanthrene, 1-m...	11.62	2.7	ng	316386	4	11.09	2329610	20.0
n-Hexadecanoic acid	11.64	3.6	ng	424192	4	11.09	2329610	20.0
Benzaldehyde, 3,5...	11.70	5.2	ng	600218	4	11.09	2329610	20.0
1H-Indene, 2-phenyl-	11.72	2.4	ng	278074	4	11.09	2329610	20.0
9,10-Dimethylanth...	12.14	3.8	ng	436459	4	11.09	2329610	20.0
di-p-Tolylacetylene	12.17	2.5	ng	295248	4	11.09	2329610	20.0
Cyclopenta(def)ph...	12.21	3.5	ng	409944	4	11.09	2329610	20.0
Octadecanoic acid	12.42	4.7	ng	956098	5	13.71	4035560	20.0
Pyrene, 1-methyl-	12.95	2.4	ng	479337	5	13.71	4035560	20.0
Benzo[b]naphtho[2...	13.46	2.6	ng	534747	5	13.71	4035560	20.0
Benz[a]anthracene...	14.10	2.6	ng	518604	5	13.71	4035560	20.0
Benz[a]anthracene...	14.22	2.3	ng	469752	5	13.71	4035560	20.0
Docosane, 9-butyl-	14.51	4.2	ng	397552	6	15.08	1900730	20.0
Benzo[e]pyrene	14.79	2.6	ng	244349	6	15.08	1900730	20.0
unknown14.97	14.97	11.8	ng	1122640	6	15.08	1900730	20.0
Heptadecane, 9-he...	15.14	5.8	ng	553237	6	15.08	1900730	20.0
Octacosane	15.52	3.3	ng	311967	6	15.08	1900730	20.0