LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
Data File : BF116966.D
Acq On : 12 Sep 2019 00:14
Operator : HP/JU
Sample : K4806-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DRUM-COMP

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-BF083019.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	5.028	496	500	507	rVB3	25426	38973	2.73%	0.190%
2	5.440	566	570	573	rVV	1324515	1229667	86.19%	6.007%
3	6.363	723	727	732	rBV4	18028	30880	2.16%	0.151%
4	6.451	738	742	748	rBV	1349919	1400020	98.13%	6.840%
5	6.593	762	766	769	rBV	1686697	1426754	100.00%	6.970%
6	6.822	802	805	808	rBV	473200	384885	26.98%	1.880%
7	6.981	828	832	835	rBV	1215321	996171	69.82%	4.867%
8	7.381	896	900	903	rBV	951864	828003	58.03%	4.045%
9	8.104	1018	1023	1026	rBV	574690	553107	38.77%	2.702%
10	8.398	1066	1073	1076	rBV7	21130	32646	2.29%	0.159%
11	8.528	1092	1095	1099	rBV	69836	68049	4.77%	0.332%
12	8.698	1121	1124	1126	rBV	47370	37709	2.64%	0.184%
13	8.816	1142	1144	1147	rVB	37510	30687	2.15%	0.150%
14	9.175	1201	1205	1211	rBV	1653446	1339900	93.91%	6.546%
15	9.263	1217	1220	1224	rVB2	54408	51420	3.60%	0.251%
16	9.445	1246	1251	1256	rVB	18866	30658	2.15%	0.150%
17	9.510	1260	1262	1265	rVV	48592	52959	3.71%	0.259%
18	9.563	1269	1271	1276	rVV	315241	326140	22.86%	1.593%
19	9.786	1307	1309	1314	rVB	56878	48744	3.42%	0.238%
20	9.851	1317	1320	1324	rVV	718742	643322	45.09%	3.143%
21	9.886	1324	1326	1329	rVB3	35893	36648	2.57%	0.179%
22	10.057	1351	1355	1359	rBV2	51377	47150	3.30%	0.230%
23	10.098	1359	1362	1367	rVB3	33398	41188	2.89%	0.201%
24	10.169	1371	1374	1377	rBV	45761	45125	3.16%	0.220%
25	10.198	1377	1379	1382	rVV	38896	30361	2.13%	0.148%
26	10.263	1386	1390	1392	rBV2	39099	47554	3.33%	0.232%
27	10.286	1392	1394	1397	rVB	58420	41952	2.94%	0.205%
28	10.557	1436	1440	1443	rVB3	25247	33564	2.35%	0.164%
29	10.639	1443	1454	1458	rBV	1025489	969291	67.94%	4.735%
30	10.675	1458	1460	1466	rVB5	32707	46891	3.29%	0.229%
31	10.763	1471	1475	1481	rBV3	84970	130525	9.15%	0.638%
32	10.951	1501	1507	1509	rBV5	32609	51109	3.58%	0.250%
33	11.075	1524	1528	1530	rBV3	21696	31461	2.21%	0.154%
34	11.139	1537	1539	1543	rBV2	37163	46483	3.26%	0.227%

LSC Area Percent Report

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Acq On : 12 Sep 2019 00:14
Operator : HP/JU
Sample : K4806-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DRUM-COMP

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-BF083019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.204	1543	1550	1553	rVV4	74245	110576	7.75%	0.540%
36	11.233	1553	1555	1560	rVB4	43201	46347	3.25%	0.226%
37	11.333	1568	1572	1575	rBV	697198	690775	48.42%	3.375%
38	11.357	1575	1576	1580	rVV	259447	163780	11.48%	0.800%
39	11.410	1583	1585	1588	rVB	54107	43400	3.04%	0.212%
40	11.445	1588	1591	1594	rBV2	59105	73424	5.15%	0.359%
41	11.563	1609	1611	1613	rBV2	38749	37788	2.65%	0.185%
42	11.628	1620	1622	1624	rVB	50140	36122	2.53%	0.176%
43	11.663	1624	1628	1631	rBV3	36865	40851	2.86%	0.200%
44	11.833	1655	1657	1659	rBV	86057	75083	5.26%	0.367%
45	11.863	1659	1662	1666	rVV	228237	211964	14.86%	1.036%
46	11.910	1666	1670	1672	rVV3	34414	39568	2.77%	0.193%
47	11.945	1672	1676	1678	rVV	188643	199881	14.01%	0.977%
48	11.969	1678	1680	1684	rVB	80783	73773	5.17%	0.360%
49	12.033	1688	1691	1695	rVV2	58968	65423	4.59%	0.320%
50	12.069	1695	1697	1700	rVB	49980	38696	2.71%	0.189%
51	12.127	1704	1707	1716	rVV5	83117	131796	9.24%	0.644%
52	12.280	1727	1733	1735	rBV2	76777	94909	6.65%	0.464%
53	12.310	1735	1738	1740	rVV	84033	85931	6.02%	0.420%
54	12.333	1740	1742	1745	rVV	72138	66609	4.67%	0.325%
55	12.386	1747	1751	1754	rVV	229868	236725	16.59%	1.156%
56	12.422	1754	1757	1759	rVV2	137509	150478	10.55%	0.735%
57	12.439	1759	1760	1762	rVV	65727	45254	3.17%	0.221%
58	12.469	1762	1765	1769	rVB2	70508	83428	5.85%	0.408%
59	12.545	1775	1778	1783	rBV	426452	387786	27.18%	1.894%
60	12.592	1783	1786	1787	rBV	66070	59004	4.14%	0.288%
61	12.610	1787	1789	1792	rVB3	36561	37407	2.62%	0.183%
62	12.639	1792	1794	1797	rBV3	43286	42002	2.94%	0.205%
63	12.775	1812	1817	1819	rBV	319851	335716	23.53%	1.640%
64	12.792	1819	1820	1823	rVB2	107886	77194	5.41%	0.377%
65	12.833	1823	1827	1830	rVB2	95053	110880	7.77%	0.542%
66	12.886	1833	1836	1837	rBV	43936	39164	2.74%	0.191%
67	12.916	1837	1841	1844	rBV	1292235	1070135	75.00%	5.228%
68	12.986	1850	1853	1856	rBV3	87702	95153	6.67%	0.465%
69	13.045	1861	1863	1865	rBV	38666	33779	2.37%	0.165%
70	13.074	1865	1868	1870	rVV3	39762	55868	3.92%	0.273%
71	13.098	1870	1872	1875	rVB	112127	104390	7.32%	0.510%

LSC Area Percent Report

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Acq On : 12 Sep 2019 00:14
Operator : HP/JU
Sample : K4806-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DRUM-COMP

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-BF083019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.151	1875	1881	1882	rBV3	56385	70812	4.96%	0.346%
73	13.169	1882	1884	1886	rVB	51070	39577	2.77%	0.193%
74	13.204	1886	1890	1893	rBV2	71236	77934	5.46%	0.381%
75	13.327	1908	1911	1915	rBV	49581	47061	3.30%	0.230%
76	13.492	1934	1939	1940	rBV5	56331	77000	5.40%	0.376%
77	13.586	1952	1955	1956	rBV2	33519	31774	2.23%	0.155%
78	13.610	1956	1959	1963	rVB3	72519	92022	6.45%	0.450%
79	13.716	1973	1977	1980	rBV3	49121	66157	4.64%	0.323%
80	13.816	1991	1994	2002	rVB4	114577	147608	10.35%	0.721%
81	13.945	2012	2016	2018	rBV	347110	441956	30.98%	2.159%
82	13.969	2018	2020	2022	rVV	694875	625228	43.82%	3.054%
83	13.992	2022	2024	2027	rVV	215475	198317	13.90%	0.969%
84	14.016	2027	2028	2032	rVV3	49755	48681	3.41%	0.238%
85	14.051	2032	2034	2039	rVB3	37304	44881	3.15%	0.219%
86	14.133	2045	2048	2051	rVB3	58113	56457	3.96%	0.276%
87	14.351	2081	2085	2088	rVB2	83982	104490	7.32%	0.510%
88	14.386	2088	2091	2093	rVB	55654	43767	3.07%	0.214%
89	14.433	2095	2099	2104	rVB5	70651	95688	6.71%	0.467%
90	14.480	2104	2107	2109	rBV4	46204	47055	3.30%	0.230%
91	14.739	2148	2151	2153	rBV	72924	77303	5.42%	0.378%
92	14.769	2154	2156	2160	rVB2	53503	55766	3.91%	0.272%
93	14.998	2191	2195	2202	rVB	147073	258269	18.10%	1.262%
94	15.063	2203	2206	2210	rVV2	68873	77554	5.44%	0.379%
95	15.292	2241	2245	2250	rVB	94213	126840	8.89%	0.620%
96	15.351	2251	2255	2260	rVV	124802	162531	11.39%	0.794%
97	15.416	2261	2266	2278	rVB	436879	656040	45.98%	3.205%
98	15.857	2338	2341	2348	rVB2	43160	55625	3.90%	0.272%
99	16.839	2503	2508	2516	rVB2	57032	114061	7.99%	0.557%
100	17.274	2576	2582	2589	rVB2	39711	87580	6.14%	0.428%

Sum of corrected areas: 20469089

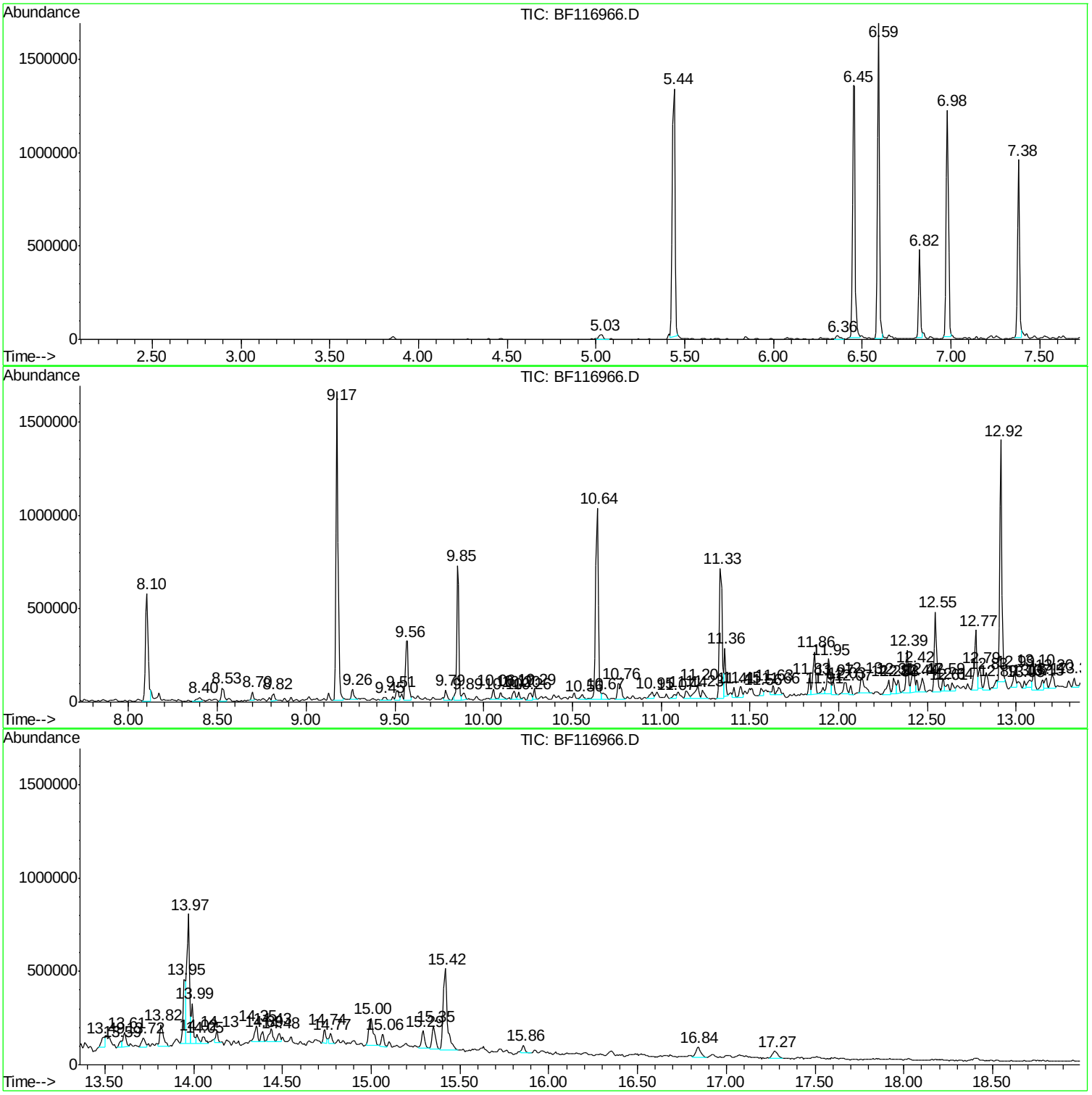
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
Data File : BF116966.D
Acq On : 12 Sep 2019 00:14
Operator : HP/JU
Sample : K4806-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DRUM-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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\BF091119\
Data File : BF116966.D
Acq On : 12 Sep 2019 00:14
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Sample : K4806-01
Misc :
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Instrument : BNA_F
ClientSampleId : DRUM-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

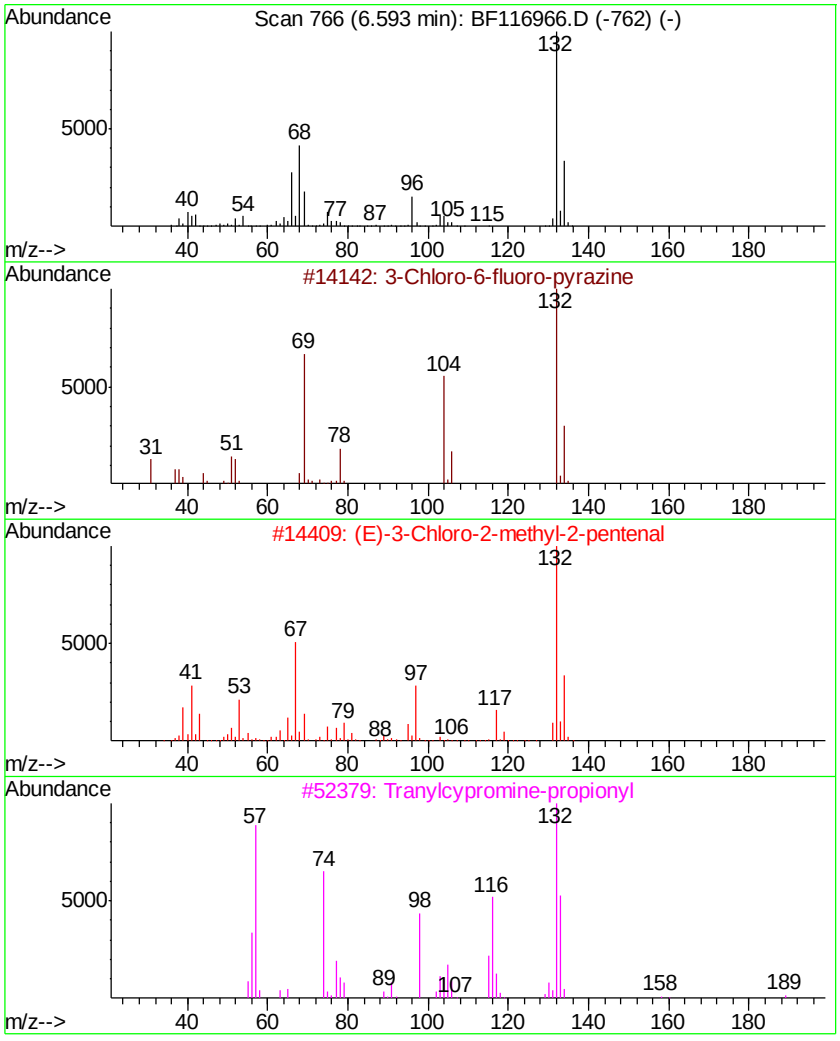
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

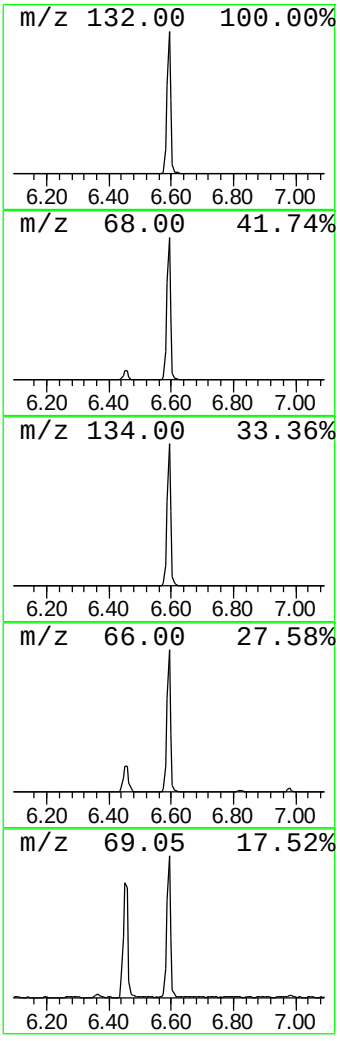
****

Peak Number 1 unknown6.59 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	74.14 ng	1426750	1,4-Dichlorobenzene-d4	6.82

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	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	Xenon	132	Xe	007440-63-3	9
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
Data File : BF116966.D
Acq On : 12 Sep 2019 00:14
Operator : HP/JU
Sample : K4806-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DRUM-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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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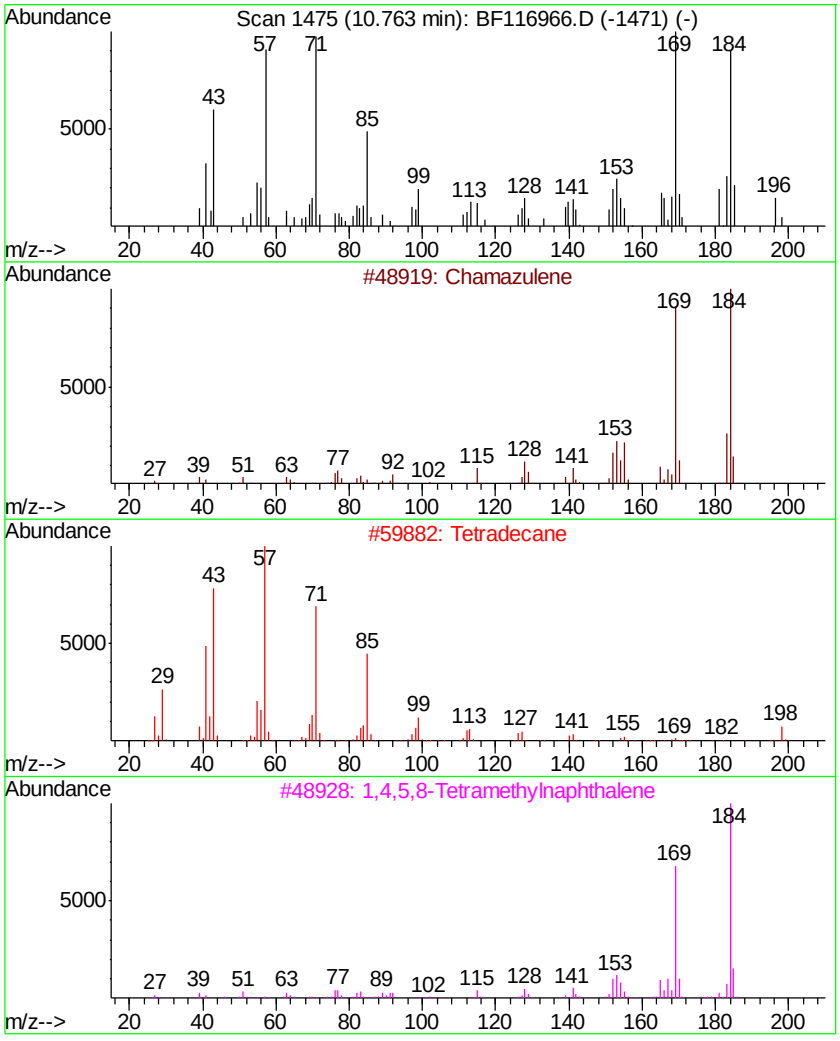
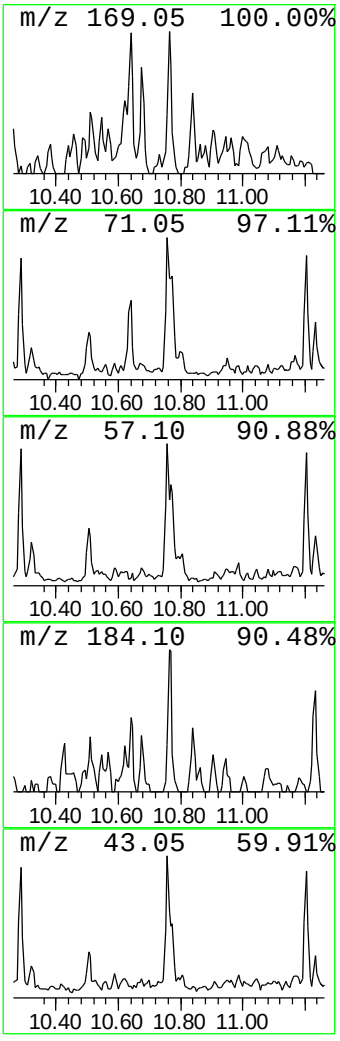
Peak Number 3 Chamazulene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	3.78 ng	130525	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chamazulene	184	C14H16	000529-05-5	70
2	Tetradecane	198	C14H30	000629-59-4	60
3	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	55
4	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	50
5	Benzene, (4,5,5-trimethyl-1,3-cy...	184	C14H16	033930-85-7	49





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Sample : K4806-01
Misc :
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Instrument : BNA_F
ClientSampleId : DRUM-COMP

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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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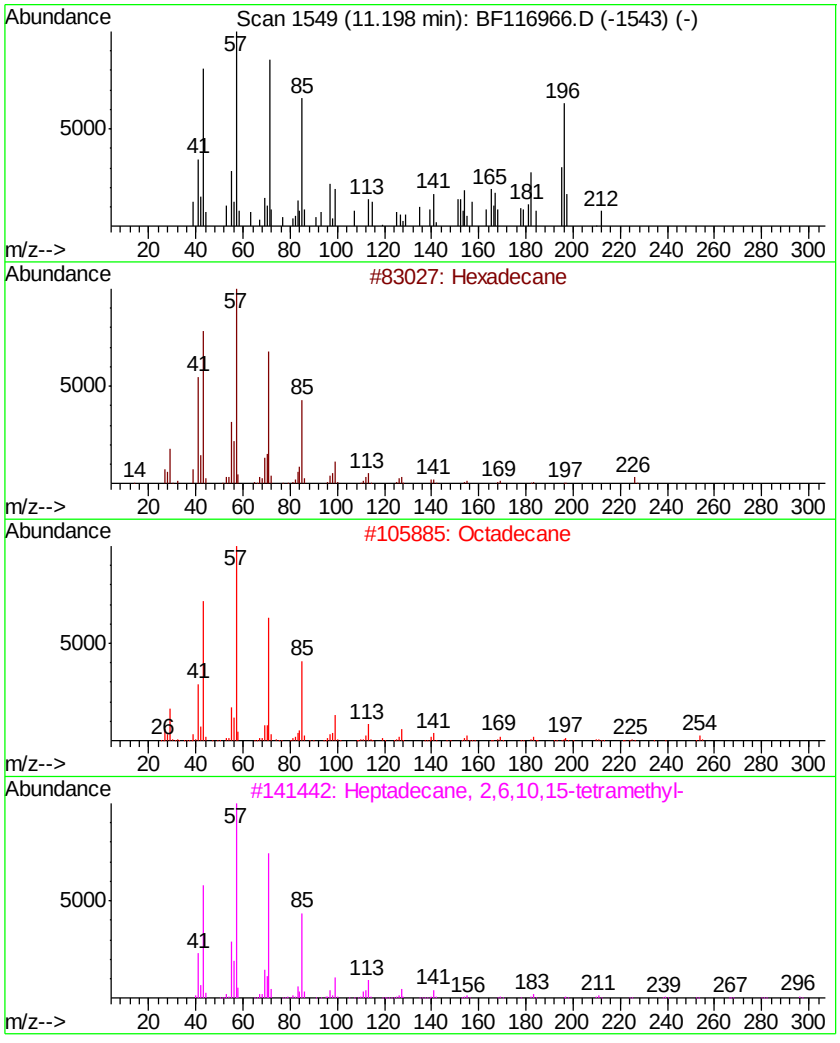
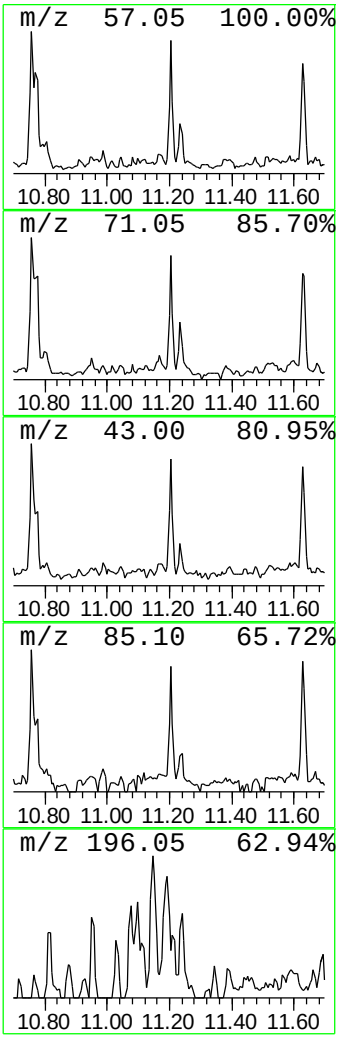
Peak Number 4 Hexadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	3.20 ng	110576	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	72
2	Octadecane	254	C18H38	000593-45-3	72
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	72
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	72
5	Tetracosane	338	C24H50	000646-31-1	72





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
Data File : BF116966.D
Acq On : 12 Sep 2019 00:14
Operator : HP/JU
Sample : K4806-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DRUM-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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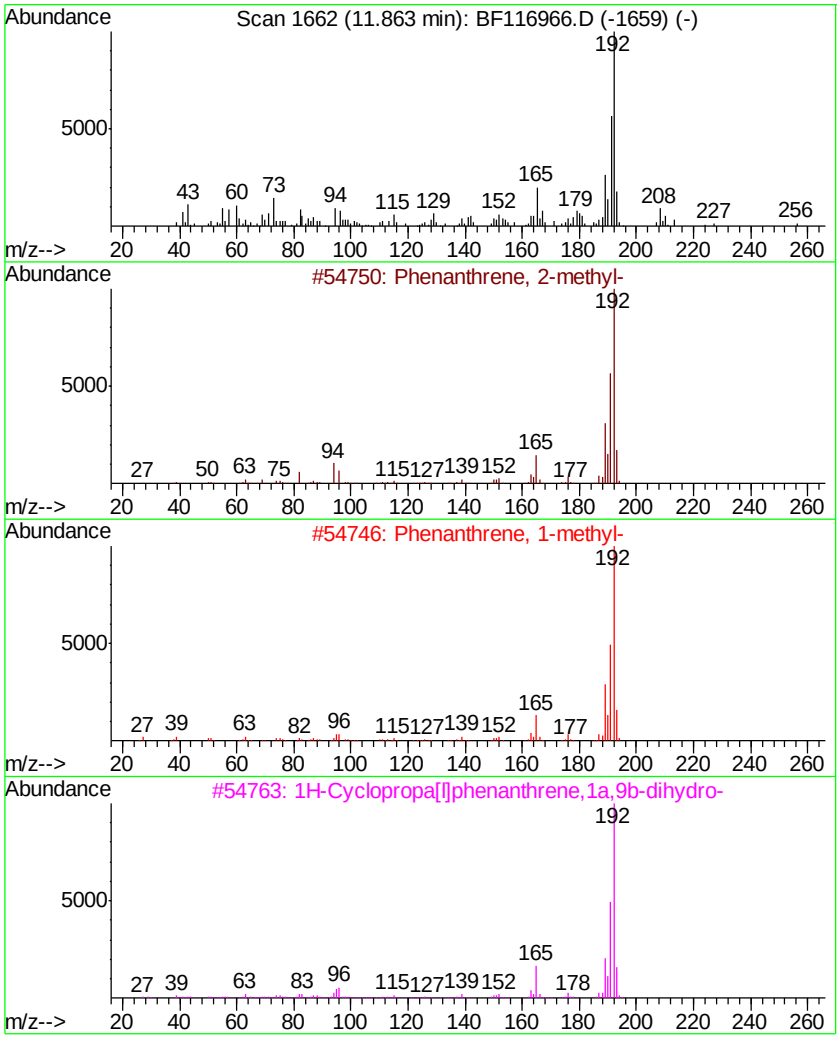
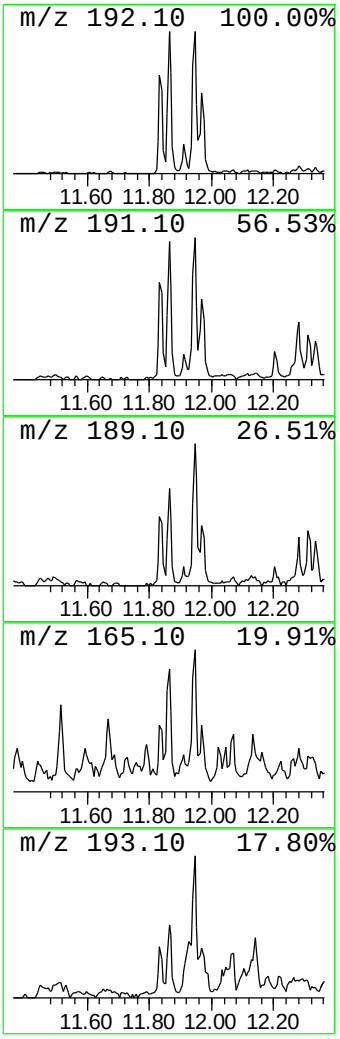
Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	6.14 ng	211964	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
Data File : BF116966.D
Acq On : 12 Sep 2019 00:14
Operator : HP/JU
Sample : K4806-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DRUM-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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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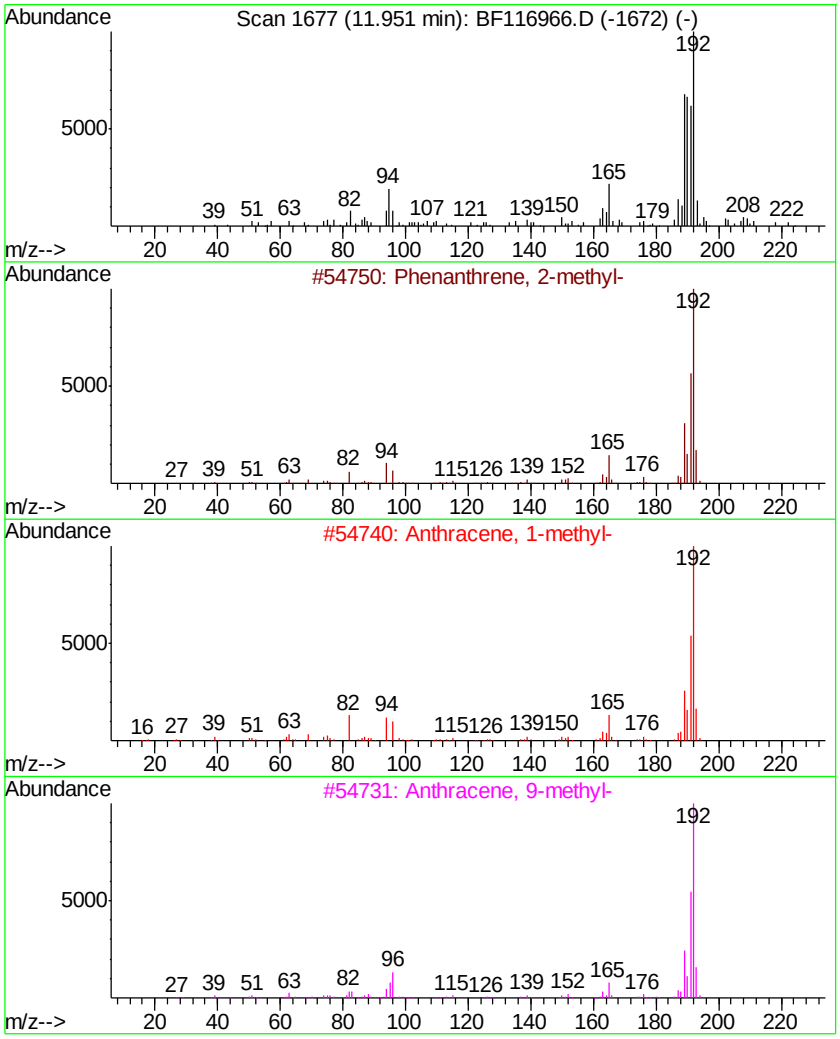
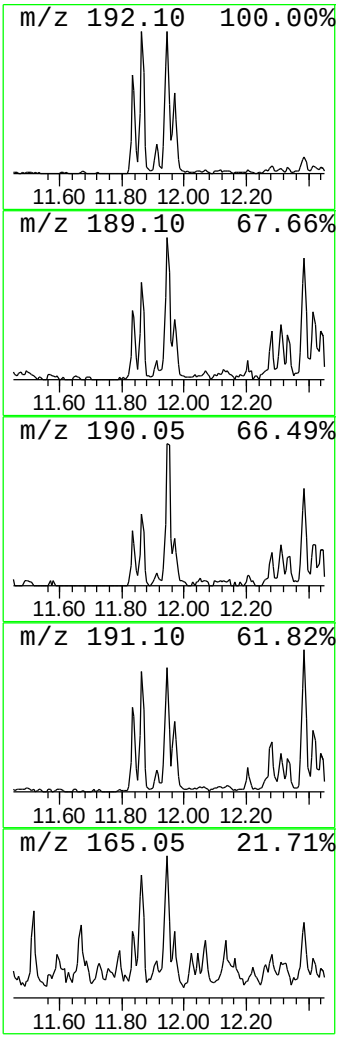
Peak Number 6 Anthracene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	5.79 ng	199881	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	86
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	86
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	78
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	64





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Sample : K4806-01
Misc :
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ClientSampleId : DRUM-COMP

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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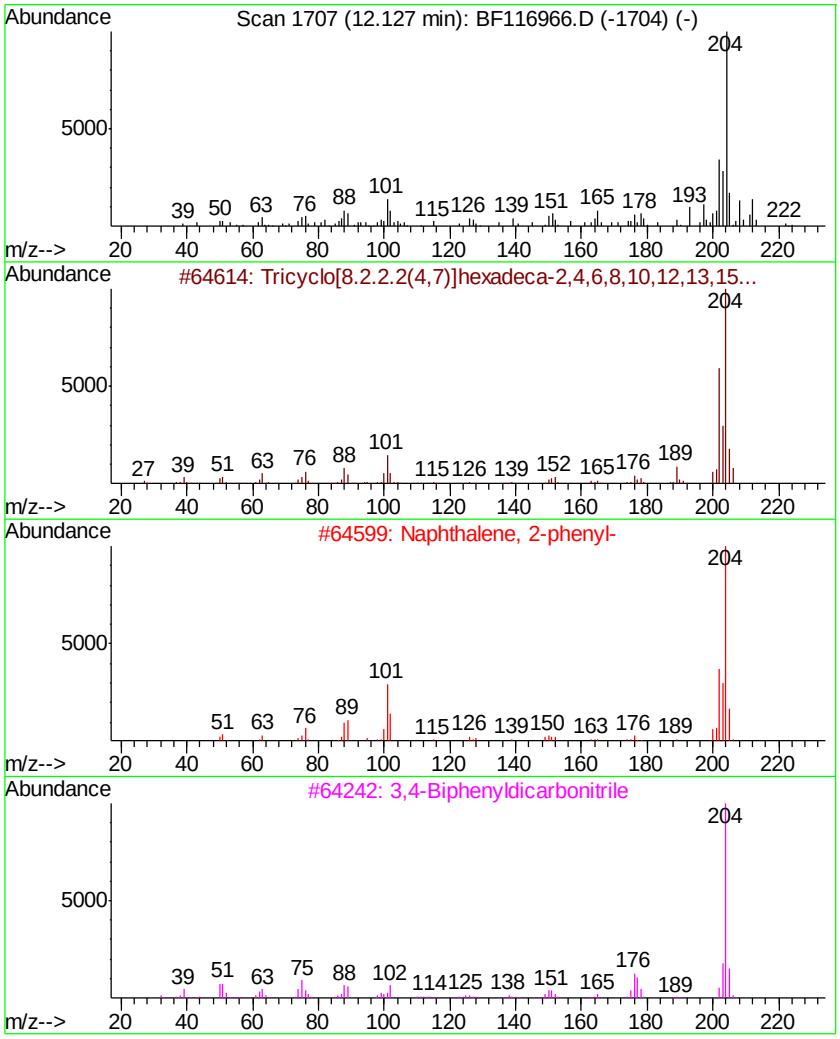
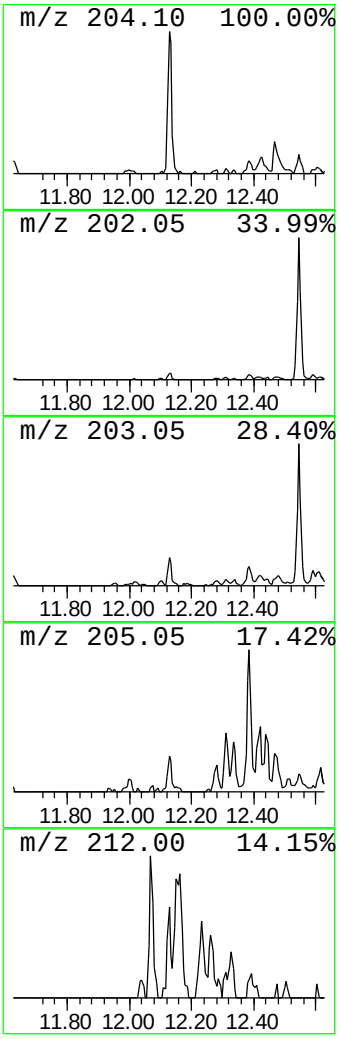
Peak Number 7 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	3.82 ng	131796	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	83
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	55
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	53
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47





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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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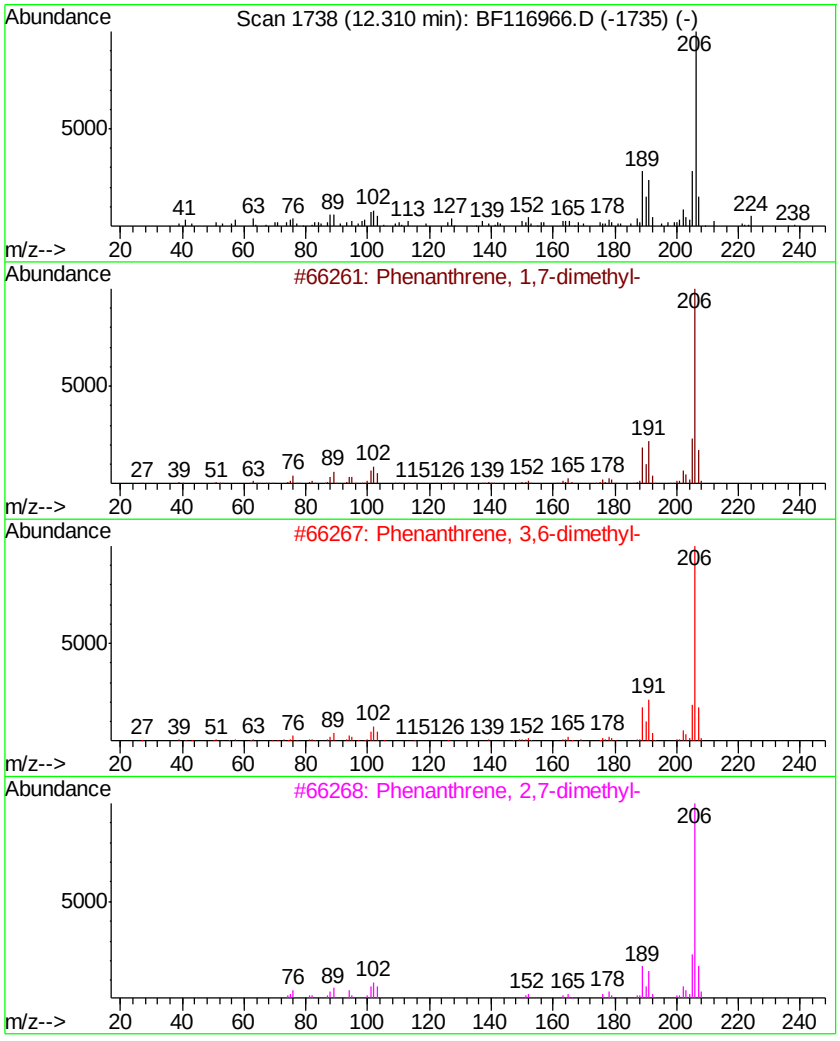
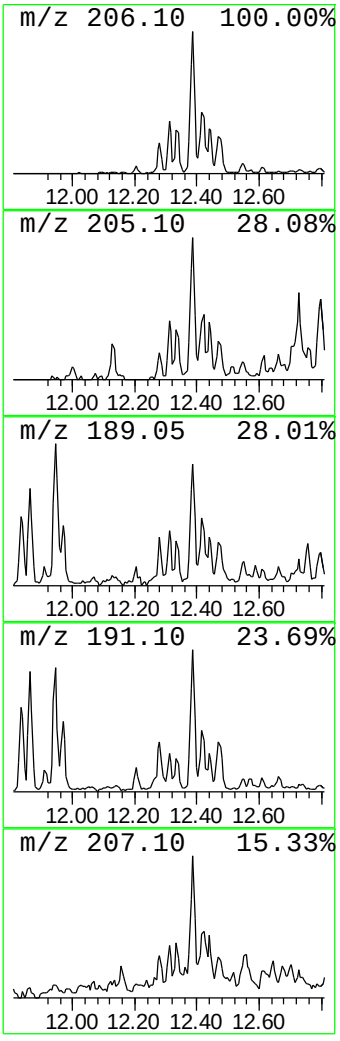
Peak Number 9 Phenanthrene, 1,7-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.31	2.49 ng	85931	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	96
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	81





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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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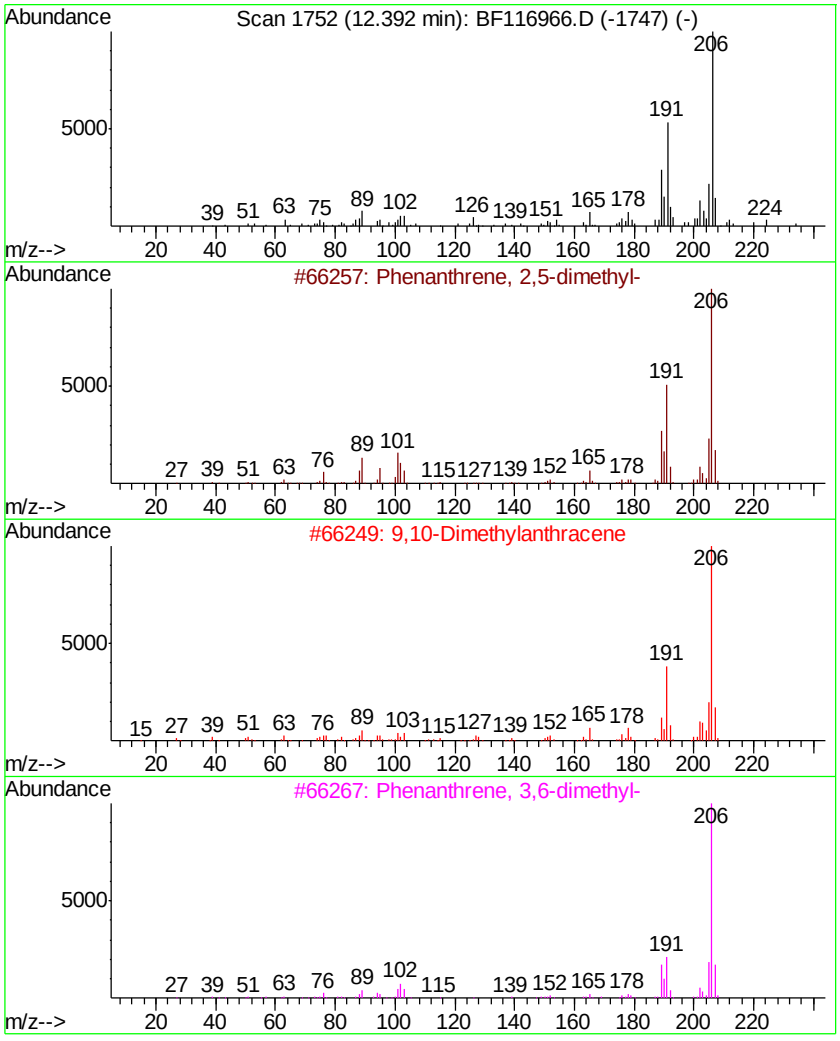
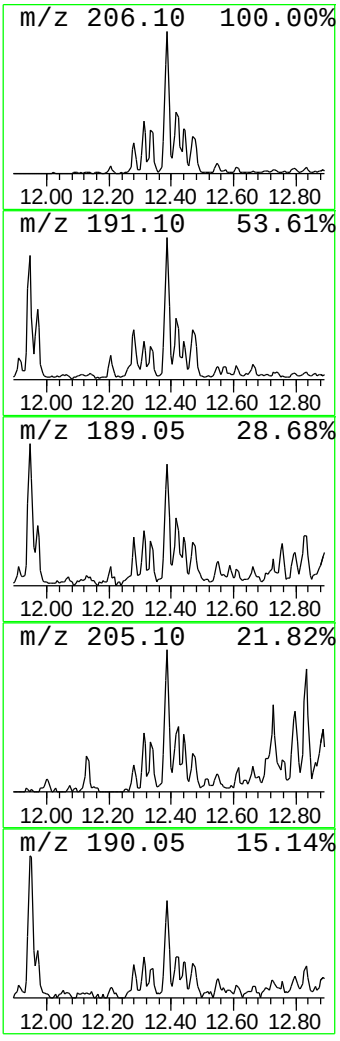
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	6.85 ng	236725	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87





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ClientSampleId : DRUM-COMP

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

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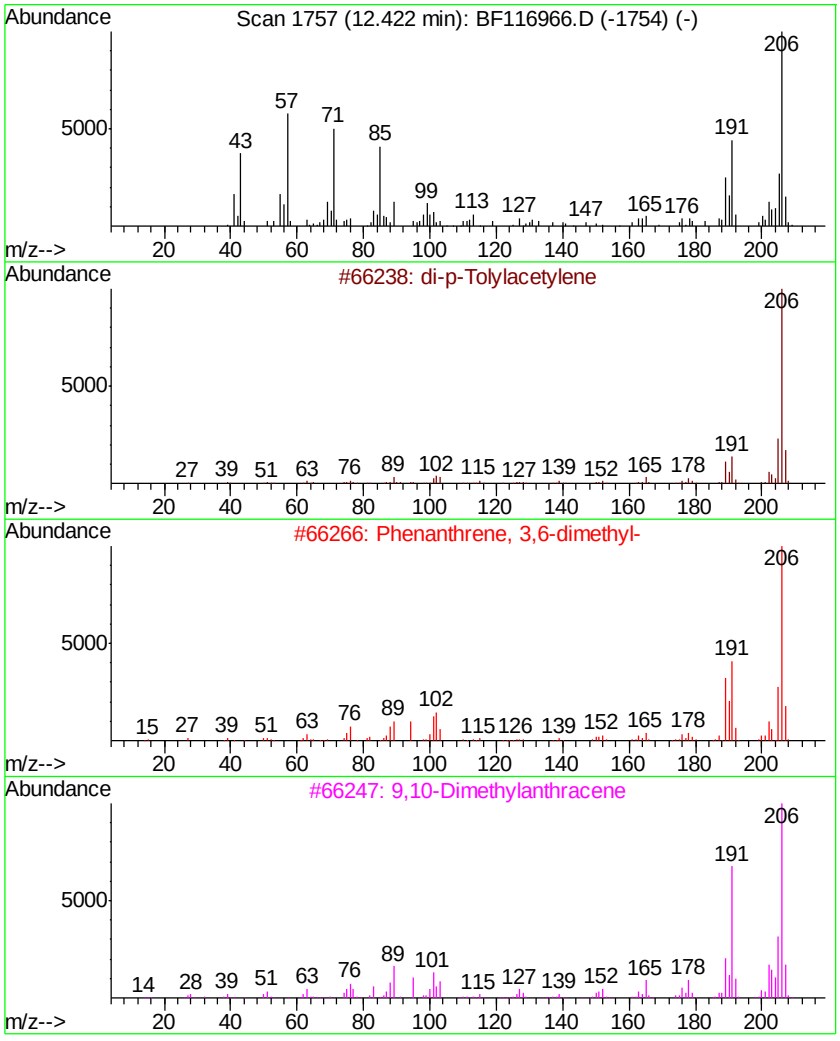
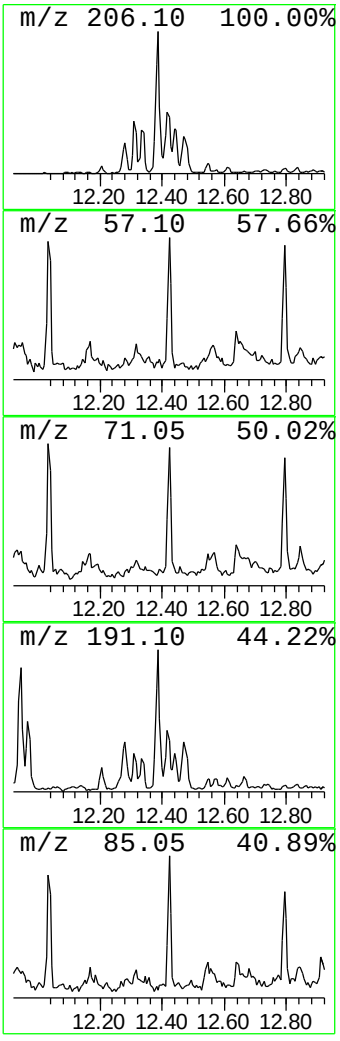
Peak Number 11 di-p-Tolylacetylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	4.36 ng	150478	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	92
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	78
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	78
4	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	60
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	55





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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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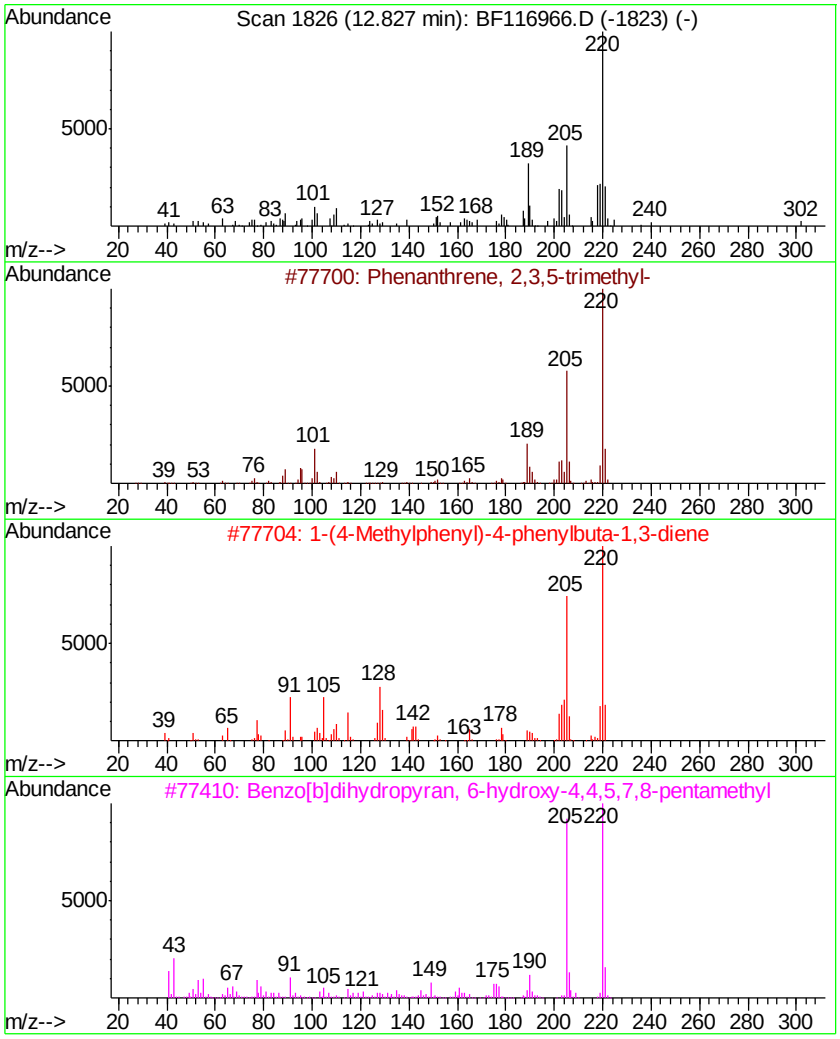
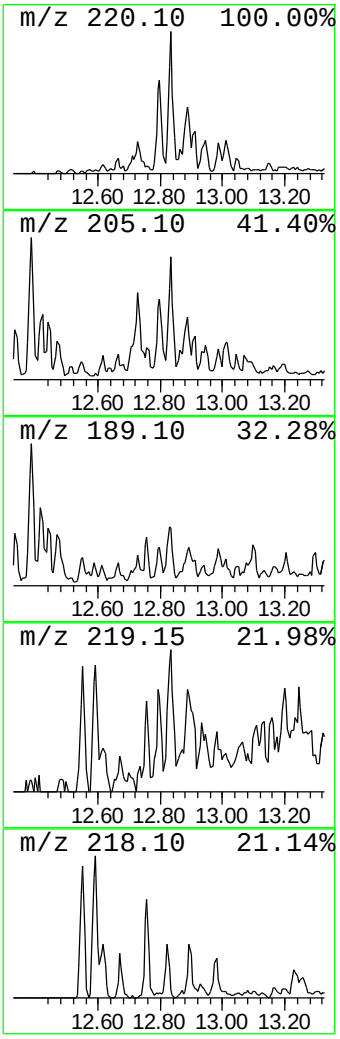
Peak Number 12 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.83	3.55 ng	110880	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	91
2	1-(4-Methylphenyl)-4-phenylbuta-...	220	C17H16	037985-11-8	64
3	Benzo[b]dihydropyran, 6-hydroxy-...	220	C14H20O2	050442-70-1	58
4	Pyrrolo[1,2-a]thieno[2,3-d]pyrim...	220	C11H12N2OS	056929-61-4	53
5	Phenmethylcynide, .alpha.,.alpha...	220	C11H12N2O3	1000128-94-6	53





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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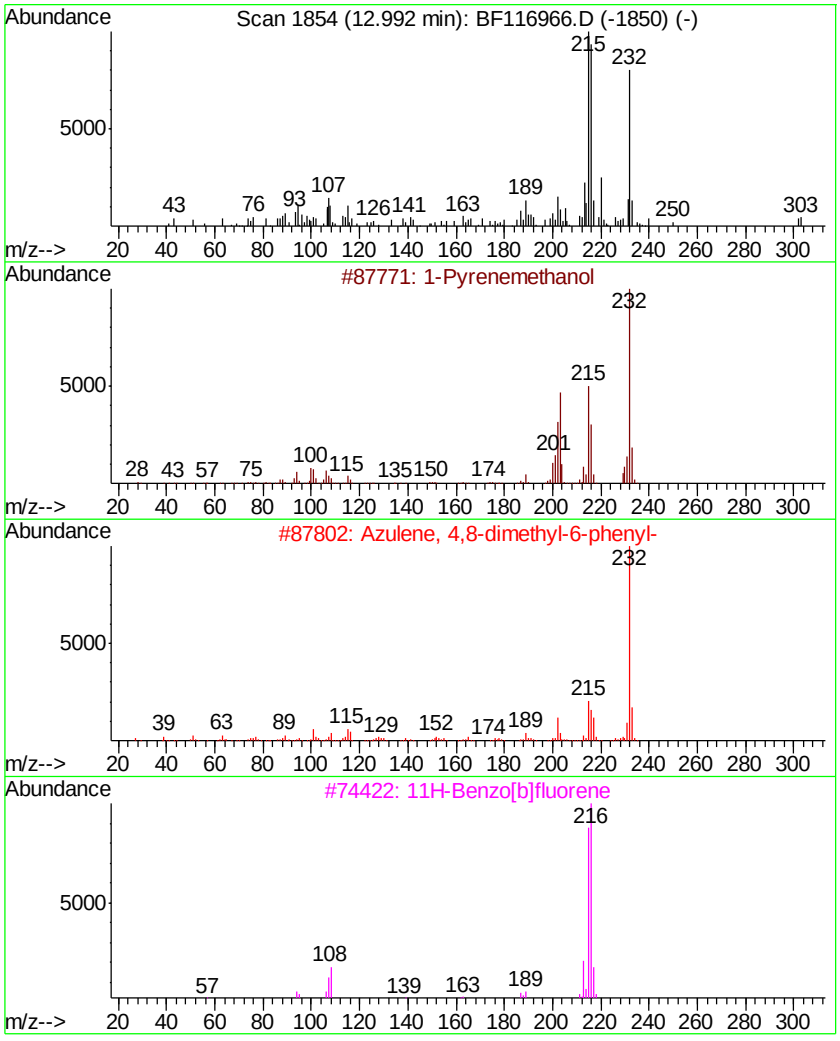
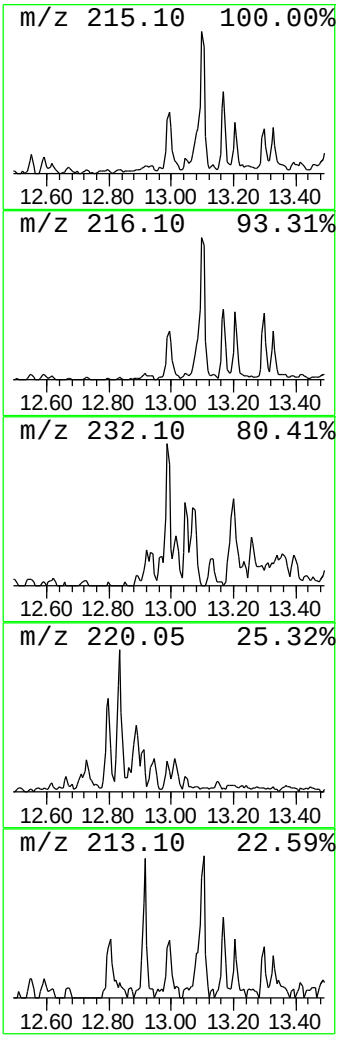
Peak Number 13 1-Pyrenemethanol Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	3.04 ng	95153	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pyrenemethanol	232	C17H12O	024463-15-8	64
2	Azulene, 4,8-dimethyl-6-phenyl-	232	C18H16	042758-88-3	58
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	46
4	Benzoic acid, 3-(5-formyl-2-furyl)-	216	C12H8O4	304884-54-6	40
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	38





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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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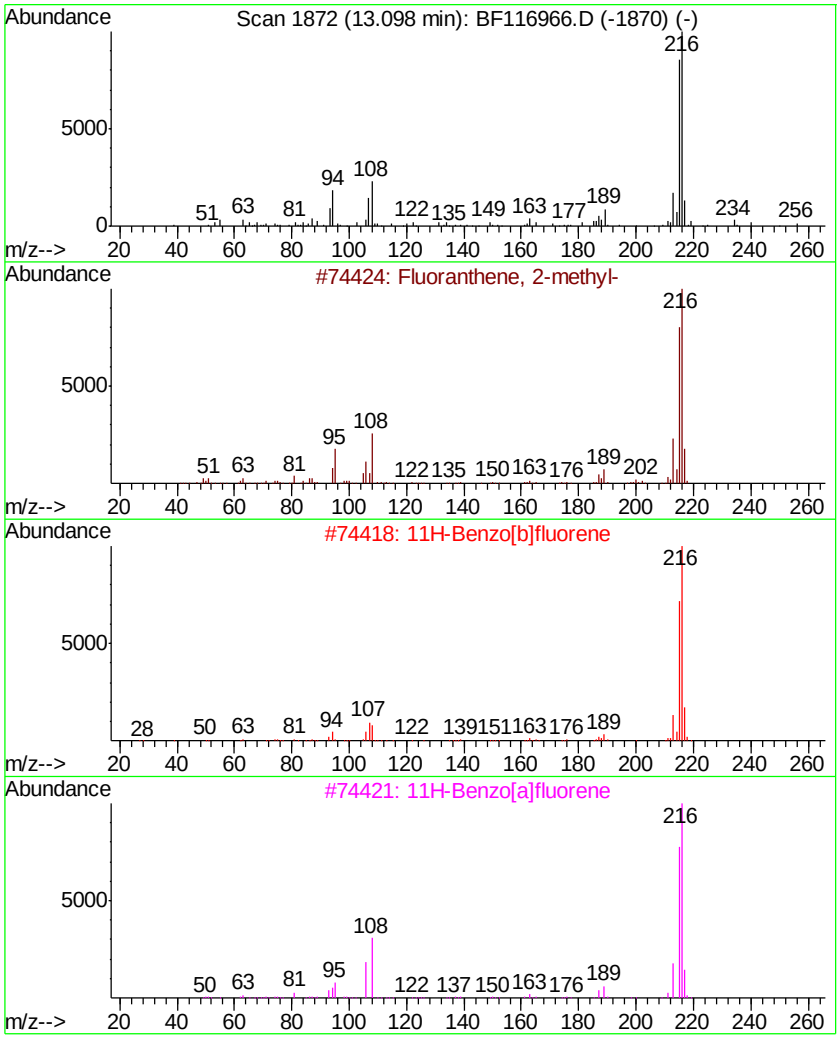
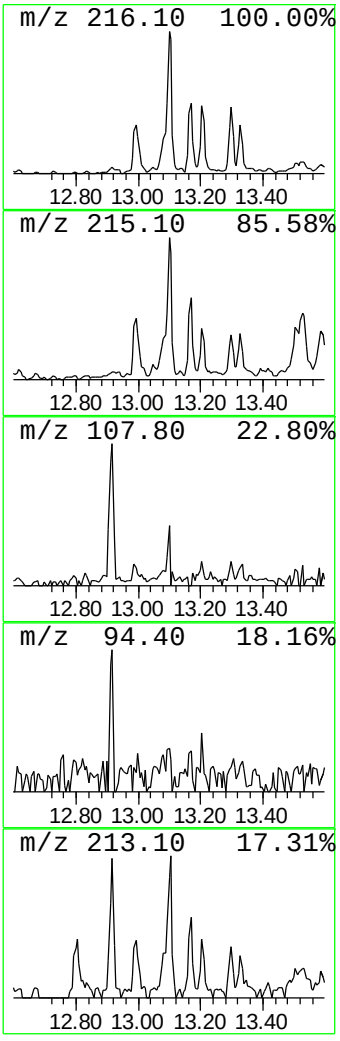
Peak Number 14 Fluoranthene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	3.34 ng	104390	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76





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

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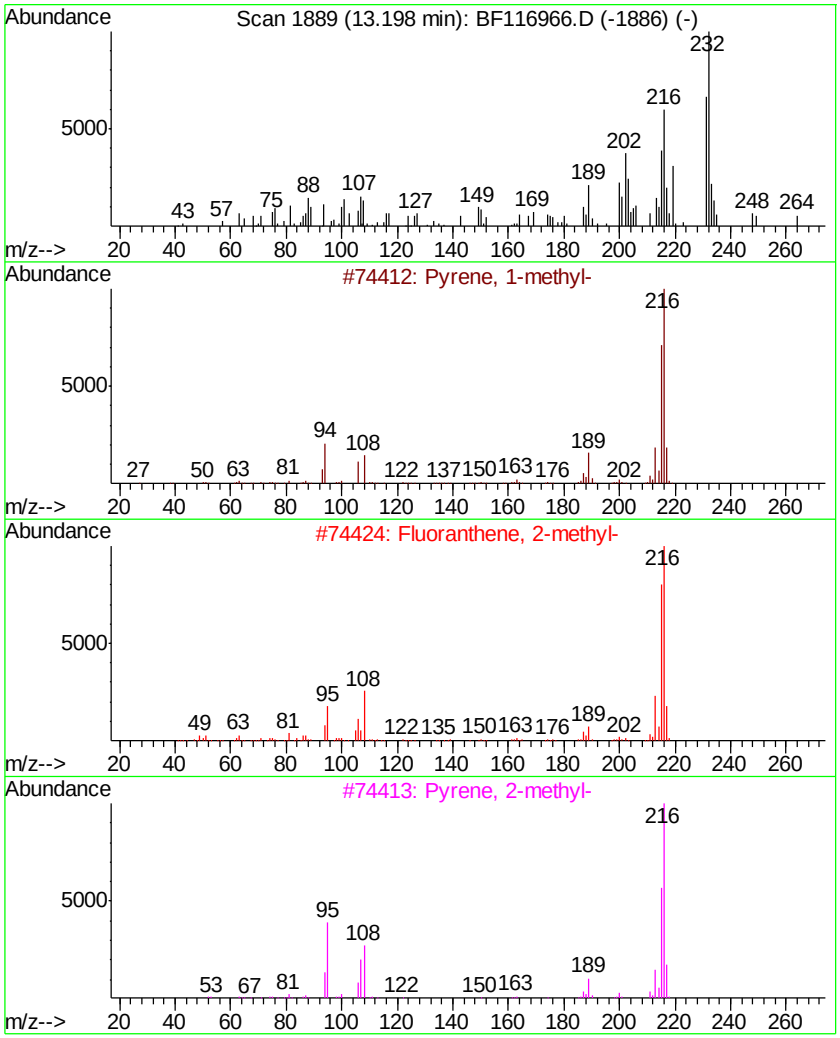
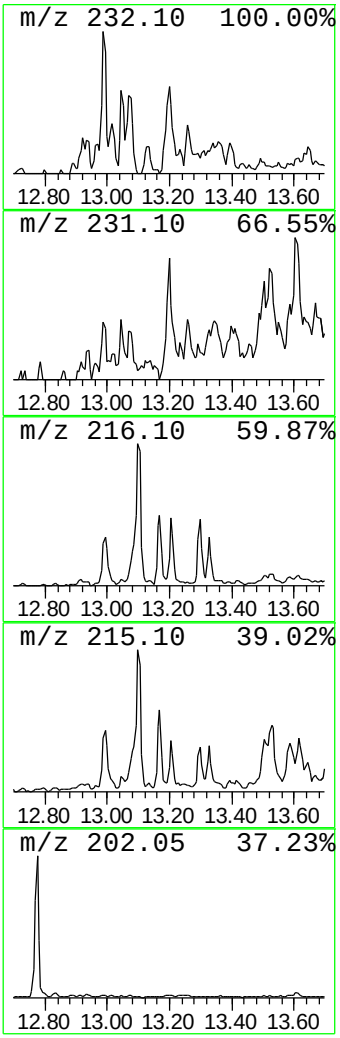
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.20	2.49 ng	77934	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	49
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	49





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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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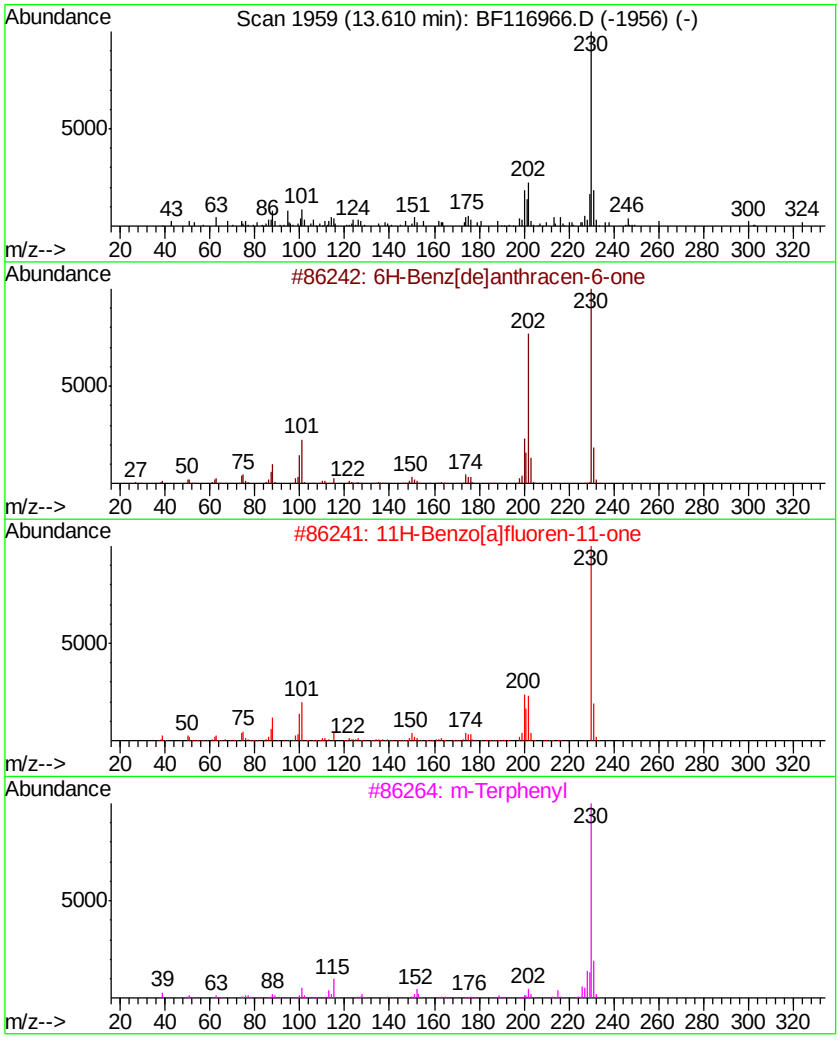
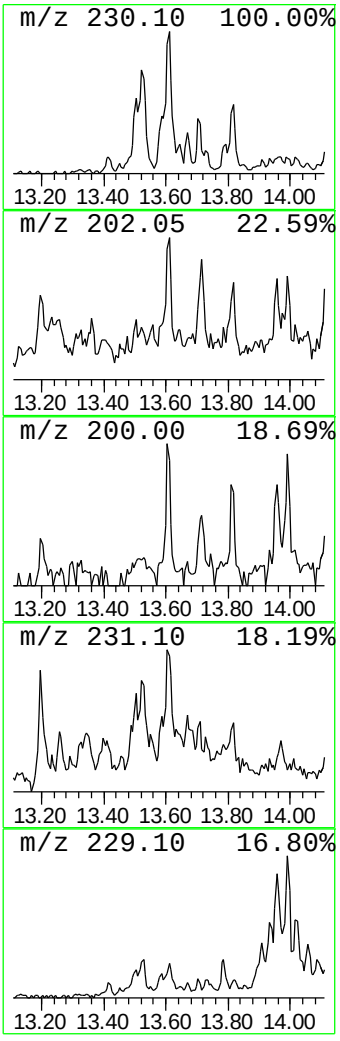
Peak Number 16 6H-Benz[de]anthracen-6-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.61	2.94 ng	92022	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	86
2	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	81
3	m-Terphenyl	230	C18H14	000092-06-8	70
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	62
5	4,4'-Stilbenedicarbonitrile	230	C16H10N2	006292-62-2	58





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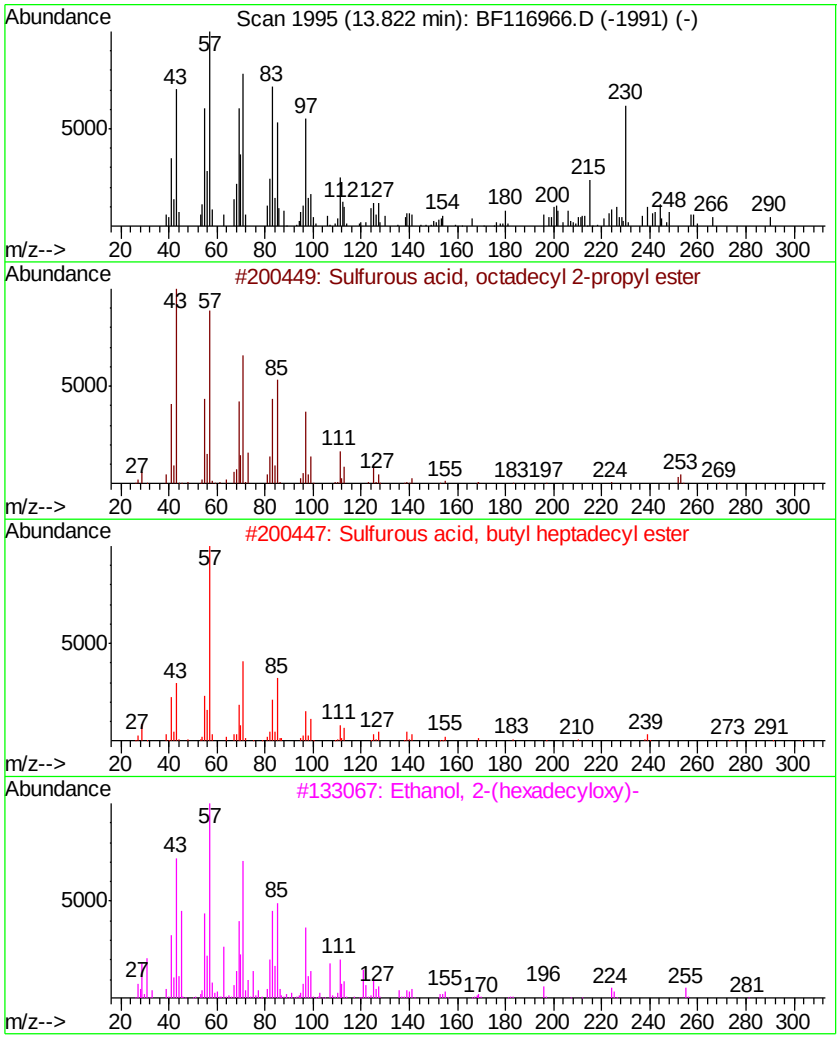
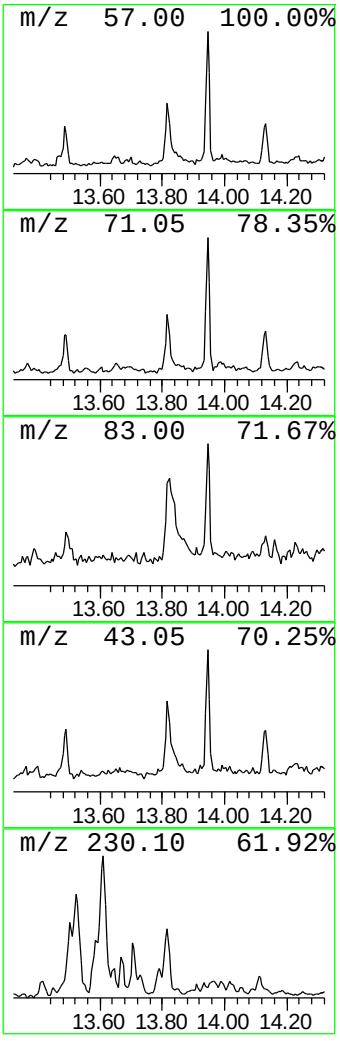
Peak Number 17 Sulfurous acid, octadecyl 2... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	4.72 ng	147608	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, octadecyl 2-prop...	376	C21H44O3S	1000309-12-7	53
2	Sulfurous acid, butyl heptadecyl...	376	C21H44O3S	1000309-18-4	49
3	Ethanol, 2-(hexadecyloxy)-	286	C18H38O2	002136-71-2	49
4	Sulfurous acid, pentadecyl 2-pro...	334	C18H38O3S	1000309-12-6	49
5	Sulfurous acid, butyl hexadecyl ...	362	C20H42O3S	1000309-18-3	49





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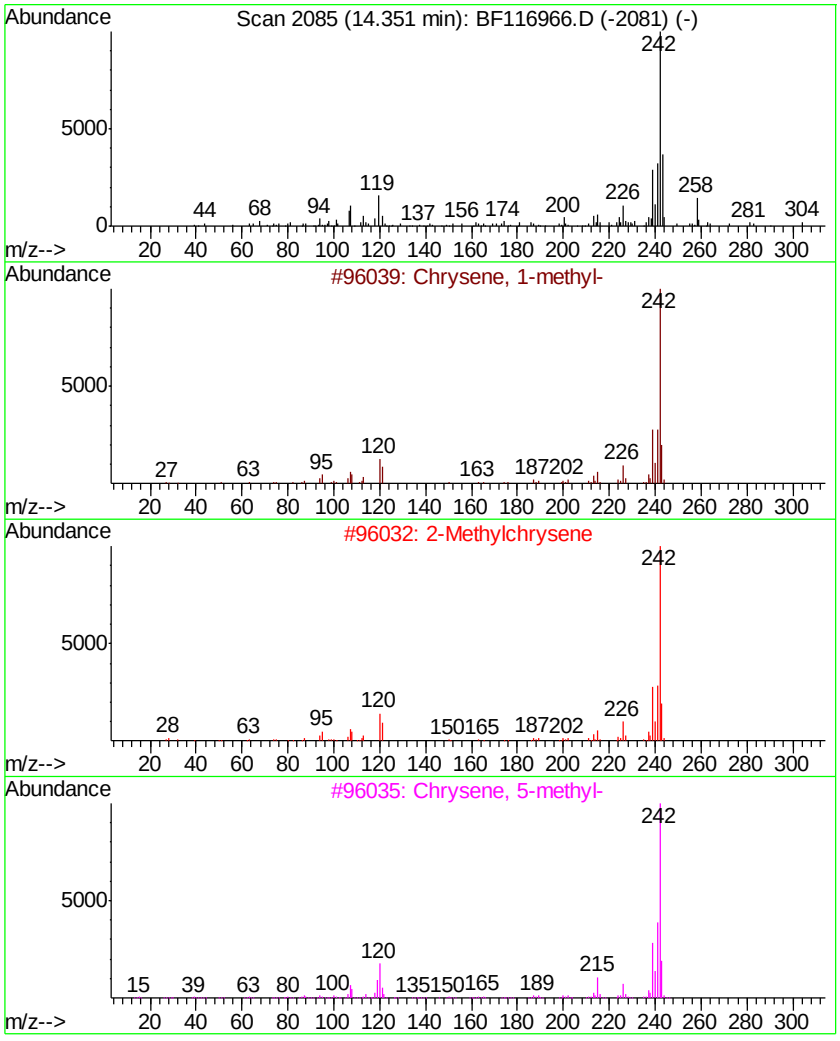
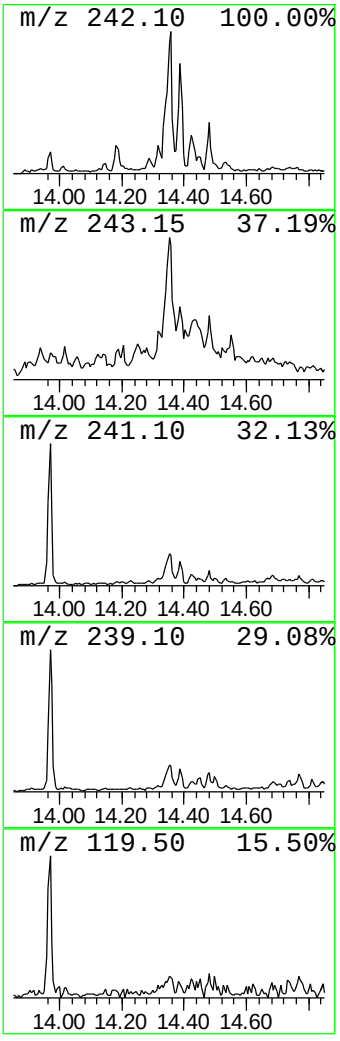
Peak Number 18 Chrysene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.35	3.34 ng	104490	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	90
2	2-Methylchrysene	242	C19H14	003351-32-4	89
3	Chrysene, 5-methyl-	242	C19H14	003697-24-3	86
4	Chrysene, 6-methyl-	242	C19H14	001705-85-7	83
5	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	76





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Instrument : BNA_F
ClientSampleId : DRUM-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

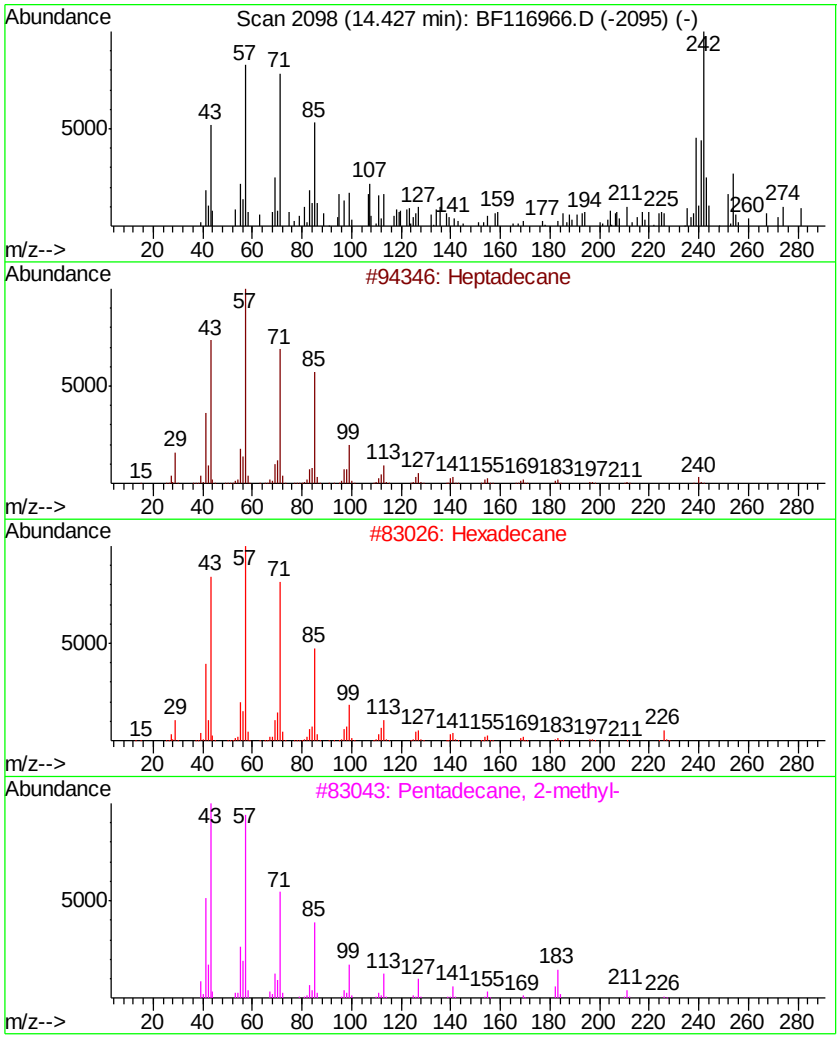
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

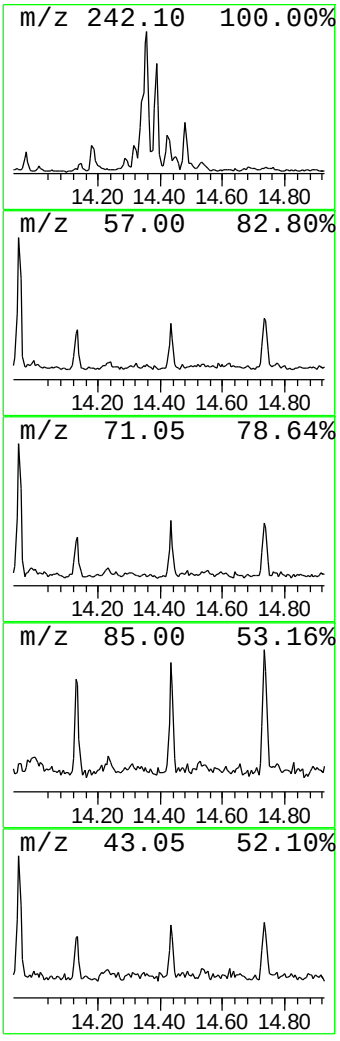
****

Peak Number 19 Heptadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	3.06 ng	95688	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	70
2	Hexadecane	226	C16H34	000544-76-3	55
3	Pentadecane, 2-methyl-	226	C16H34	001560-93-6	55
4	Octadecane	254	C18H38	000593-45-3	50
5	Heneicosane	296	C21H44	000629-94-7	46





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF091119\
Data File : BF116966.D
Acq On : 12 Sep 2019 00:14
Operator : HP/JU
Sample : K4806-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DRUM-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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
unknown6.59	6.59	74.1	ng	1426750	1	6.82	384885	20.0
Chamazulene	10.76	3.8	ng	130525	4	11.33	690775	20.0
Hexadecane	11.20	3.2	ng	110576	4	11.33	690775	20.0
Phenanthrene, 2-m...	11.86	6.1	ng	211964	4	11.33	690775	20.0
Anthracene, 1-met...	11.95	5.8	ng	199881	4	11.33	690775	20.0
Tricyclo[8.2.2.2(...	12.13	3.8	ng	131796	4	11.33	690775	20.0
Phenanthrene, 1,7...	12.31	2.5	ng	85931	4	11.33	690775	20.0
Phenanthrene, 2,5...	12.39	6.8	ng	236725	4	11.33	690775	20.0
di-p-Tolylacetylene	12.42	4.4	ng	150478	4	11.33	690775	20.0
Phenanthrene, 2,3...	12.83	3.5	ng	110880	5	13.97	625228	20.0
1-Pyrenemethanol	12.99	3.0	ng	95153	5	13.97	625228	20.0
Fluoranthene, 2-m...	13.10	3.3	ng	104390	5	13.97	625228	20.0
Pyrene, 1-methyl-	13.20	2.5	ng	77934	5	13.97	625228	20.0
6H-Benz[de]anthra...	13.61	2.9	ng	92022	5	13.97	625228	20.0
Sulfurous acid, o...	13.82	4.7	ng	147608	5	13.97	625228	20.0
Chrysene, 1-methyl-	14.35	3.3	ng	104490	5	13.97	625228	20.0
Heptadecane	14.43	3.1	ng	95688	5	13.97	625228	20.0