LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115889.D
Acq On : 1 Aug 2019 1:38
Operator : HP/JU
Sample : K3622-13 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-072919-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-BF073019.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	3.910	299	310	322	rBV	269320	373150	25.89%	1.755%
2	5.475	572	576	596	rBV	1054805	1136581	78.85%	5.346%
3	6.481	744	747	759	rBV	1238254	1262768	87.60%	5.940%
4	6.622	767	771	779	rBV	1478510	1233309	85.56%	5.801%
5	6.851	807	810	819	rBV	995704	812864	56.39%	3.824%
6	7.010	833	837	847	rBV	1235506	1011796	70.19%	4.759%
7	7.128	852	857	861	rBV4	13978	17483	1.21%	0.082%
8	7.410	901	905	917	rBV	772652	687504	47.69%	3.234%
9	8.134	1024	1028	1031	rBV	1179809	983218	68.21%	4.625%
10	8.157	1031	1032	1042	rVB	84356	60991	4.23%	0.287%
11	8.851	1147	1150	1154	rBV	73623	58797	4.08%	0.277%
12	8.951	1163	1167	1170	rVB	54519	47603	3.30%	0.224%
13	9.210	1208	1211	1222	rBV	1711451	1393855	96.70%	6.557%
14	9.298	1222	1226	1227	rVV2	18859	19982	1.39%	0.094%
15	9.310	1227	1228	1235	rVB2	23167	26523	1.84%	0.125%
16	9.481	1253	1257	1260	rBV	28457	36370	2.52%	0.171%
17	9.551	1266	1269	1272	rBV	53736	54723	3.80%	0.257%
18	9.604	1275	1278	1286	rVB	291122	257760	17.88%	1.212%
19	9.669	1286	1289	1294	rBV	27588	30737	2.13%	0.145%
20	9.751	1300	1303	1308	rBV	78562	77086	5.35%	0.363%
21	9.892	1321	1327	1331	rBV	1164012	1062320	73.70%	4.997%
22	9.928	1331	1333	1336	rVB	85338	70923	4.92%	0.334%
23	10.004	1342	1346	1350	rBV2	14247	18963	1.32%	0.089%
24	10.051	1350	1354	1358	rBV5	10103	17390	1.21%	0.082%
25	10.098	1358	1362	1366	rVV	75722	73558	5.10%	0.346%
26	10.139	1366	1369	1375	rVB3	23397	25171	1.75%	0.118%
27	10.210	1378	1381	1384	rBV2	21671	21099	1.46%	0.099%
28	10.304	1393	1397	1398	rBV3	18480	22320	1.55%	0.105%
29	10.322	1398	1400	1403	rVB2	30737	25727	1.78%	0.121%
30	10.439	1417	1420	1426	rVB	106861	111387	7.73%	0.524%
31	10.504	1426	1431	1433	rBV3	11446	17118	1.19%	0.081%
32	10.551	1437	1439	1444	rVV4	24291	24584	1.71%	0.116%
33	10.598	1444	1447	1450	rVB	21408	20642	1.43%	0.097%
34	10.680	1456	1461	1473	rBV	804635	775897	53.83%	3.650%

LSC Area Percent Report

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Acq On : 1 Aug 2019 1:38
Operator : HP/JU
Sample : K3622-13 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-072919-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-BF073019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.810	1478	1483	1490	rVB2	47018	72971	5.06%	0.343%
36	10.992	1509	1514	1516	rBV2	34035	39088	2.71%	0.184%
37	11.016	1516	1518	1521	rVB2	20205	19013	1.32%	0.089%
38	11.122	1531	1536	1537	rBV4	13704	18095	1.26%	0.085%
39	11.186	1545	1547	1551	rVB2	23988	21104	1.46%	0.099%
40	11.245	1551	1557	1560	rVV2	36495	46864	3.25%	0.220%
41	11.275	1560	1562	1568	rVB	67046	69935	4.85%	0.329%
42	11.380	1576	1580	1582	rBV	1163405	987489	68.51%	4.645%
43	11.404	1582	1584	1588	rVV	617315	494925	34.33%	2.328%
44	11.457	1590	1593	1596	rVV	155946	128267	8.90%	0.603%
45	11.492	1596	1599	1602	rVV2	27756	30531	2.12%	0.144%
46	11.610	1616	1619	1627	rBV	48406	68423	4.75%	0.322%
47	11.675	1627	1630	1632	rVV	44921	34917	2.42%	0.164%
48	11.716	1633	1637	1642	rVV	50201	52727	3.66%	0.248%
49	11.798	1648	1651	1654	rVB	34391	35669	2.47%	0.168%
50	11.886	1662	1666	1668	rBV	107747	120870	8.39%	0.569%
51	11.910	1668	1670	1675	rVV	177637	174587	12.11%	0.821%
52	11.957	1676	1678	1681	rVV	44653	44461	3.08%	0.209%
53	11.998	1681	1685	1687	rVV2	170064	202225	14.03%	0.951%
54	12.016	1687	1688	1692	rVB	85394	67945	4.71%	0.320%
55	12.080	1697	1699	1703	rVB2	35472	30415	2.11%	0.143%
56	12.122	1703	1706	1708	rBV2	32103	29200	2.03%	0.137%
57	12.174	1712	1715	1718	rVV	71661	77768	5.40%	0.366%
58	12.204	1718	1720	1727	rVB3	50845	69500	4.82%	0.327%
59	12.310	1736	1738	1740	rBV	34099	39029	2.71%	0.184%
60	12.363	1744	1747	1749	rBV	48301	50880	3.53%	0.239%
61	12.433	1756	1759	1762	rBV	127548	126367	8.77%	0.594%
62	12.469	1762	1765	1768	rVV3	87124	106024	7.36%	0.499%
63	12.522	1771	1774	1778	rBV2	64745	89576	6.21%	0.421%
64	12.598	1783	1787	1790	rBV	648037	582589	40.42%	2.740%
65	12.639	1791	1794	1796	rBV	34339	37534	2.60%	0.177%
66	12.692	1800	1803	1807	rBV2	54837	65470	4.54%	0.308%
67	12.751	1810	1813	1815	rBV	44914	40882	2.84%	0.192%
68	12.827	1820	1826	1832	rBV	642340	770875	53.48%	3.626%
69	12.963	1843	1849	1852	rBV	1589626	1441477	100.00%	6.781%
70	13.039	1859	1862	1866	rBV2	74401	116900	8.11%	0.550%
71	13.098	1870	1872	1874	rBV2	36893	29863	2.07%	0.140%

LSC Area Percent Report

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Sample : K3622-13 2X
Misc :
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Instrument : BNA_F
ClientSampleId : OR-03-072919-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-BF073019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.151	1879	1881	1884	rVB	137488	124940	8.67%	0.588%
73	13.221	1890	1893	1895	rVB	75460	60275	4.18%	0.284%
74	13.257	1897	1899	1903	rVV2	95599	82558	5.73%	0.388%
75	13.351	1913	1915	1917	rVB	79681	55057	3.82%	0.259%
76	13.380	1918	1920	1924	rVB	66684	60518	4.20%	0.285%
77	14.027	2025	2030	2032	rBV2	1084089	1249968	86.71%	5.880%
78	14.051	2032	2034	2037	rVB	248957	193000	13.39%	0.908%
79	15.074	2204	2208	2210	rBV	182143	299795	20.80%	1.410%
80	15.498	2277	2280	2289	rVB	588448	827885	57.43%	3.894%

Sum of corrected areas: 21258650

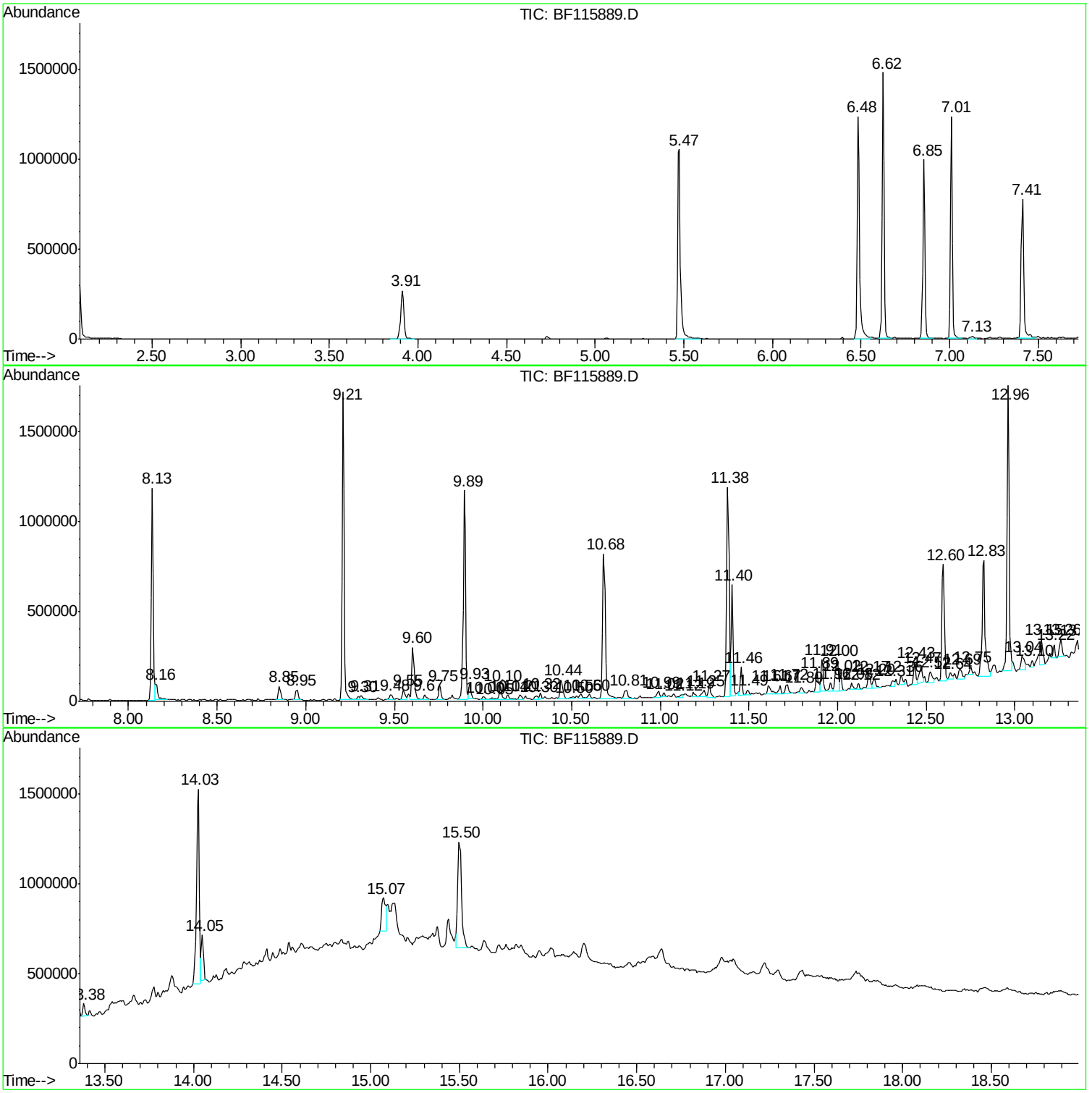
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115889.D
Acq On : 1 Aug 2019 1:38
Operator : HP/JU
Sample : K3622-13 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-072919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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\BF073119\
Data File : BF115889.D
Acq On : 1 Aug 2019 1:38
Operator : HP/JU
Sample : K3622-13 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-072919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

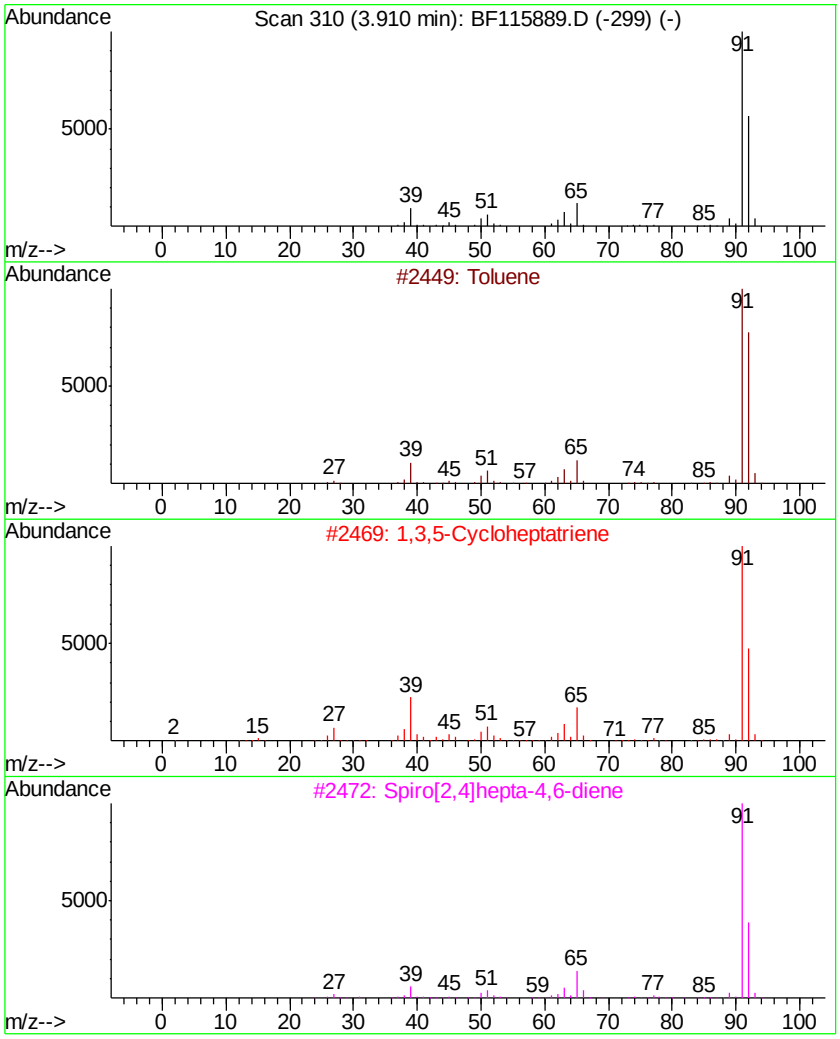
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

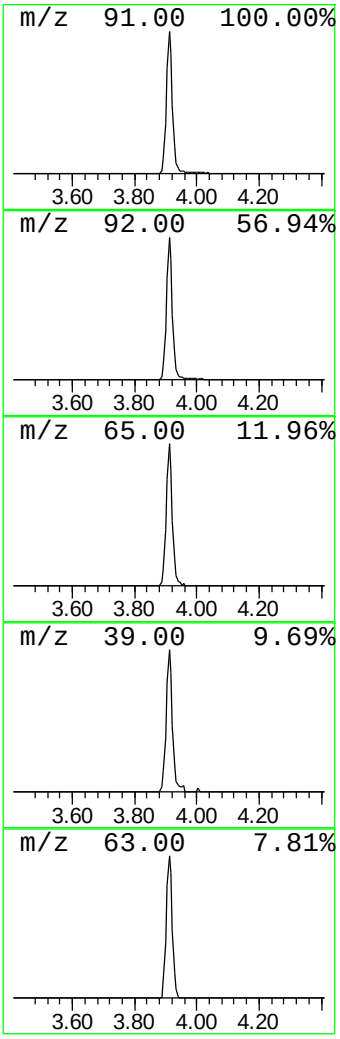
****

Peak Number 1 1,3,5-Cycloheptatriene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.91	9.18 ng	373150	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Toluene	92	C7H8	000108-88-3	95
2	1,3,5-Cycloheptatriene	92	C7H8	000544-25-2	87
3	Spiro[2,4]hepta-4,6-diene	92	C7H8	000765-46-8	81
4	2,5-Norbornadiene	92	C7H8	000121-46-0	64
5	Tetracyclo[3.2.0.0(2,7).0(4,6)]h...	92	C7H8	000278-06-8	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115889.D
Acq On : 1 Aug 2019 1:38
Operator : HP/JU
Sample : K3622-13 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-072919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

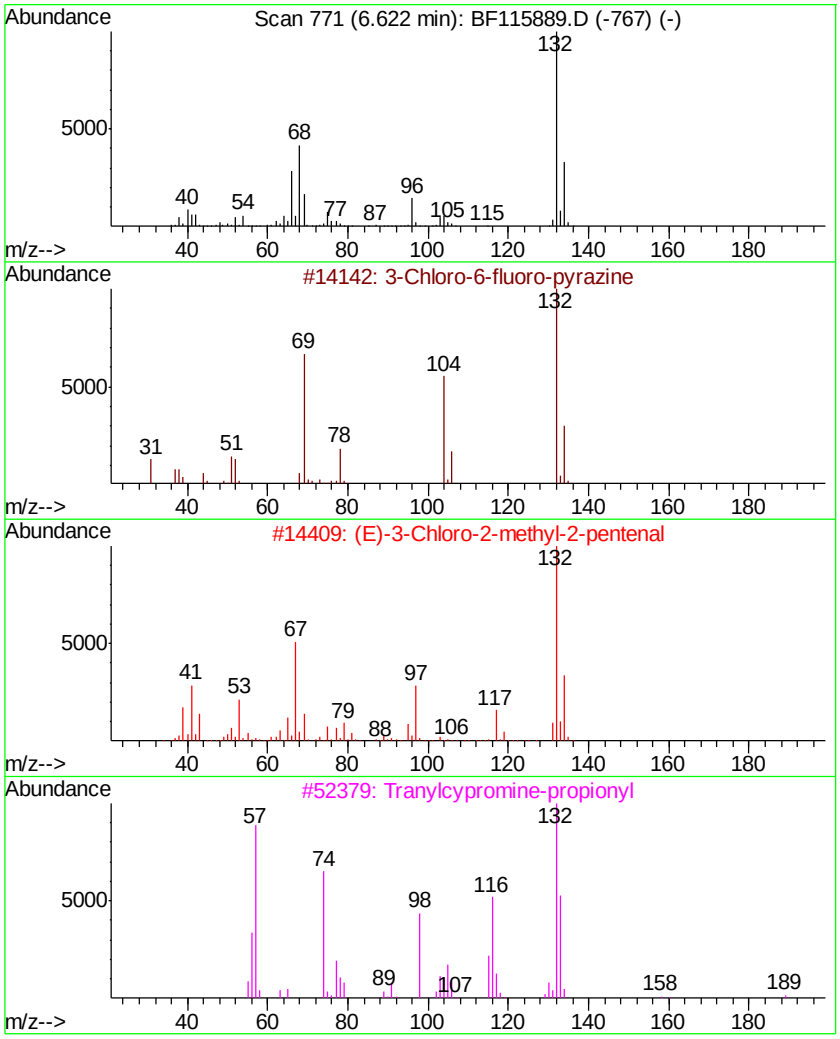
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

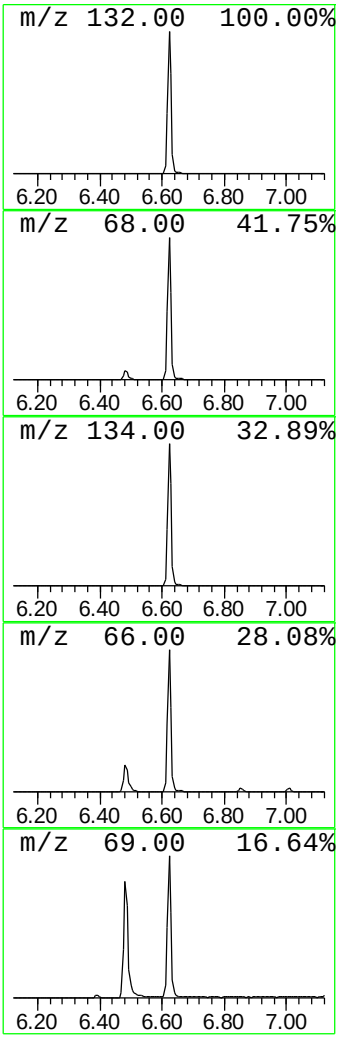
****

Peak Number 2 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	30.34 ng	1233310	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
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Instrument : BNA_F
ClientSampleId : OR-03-072919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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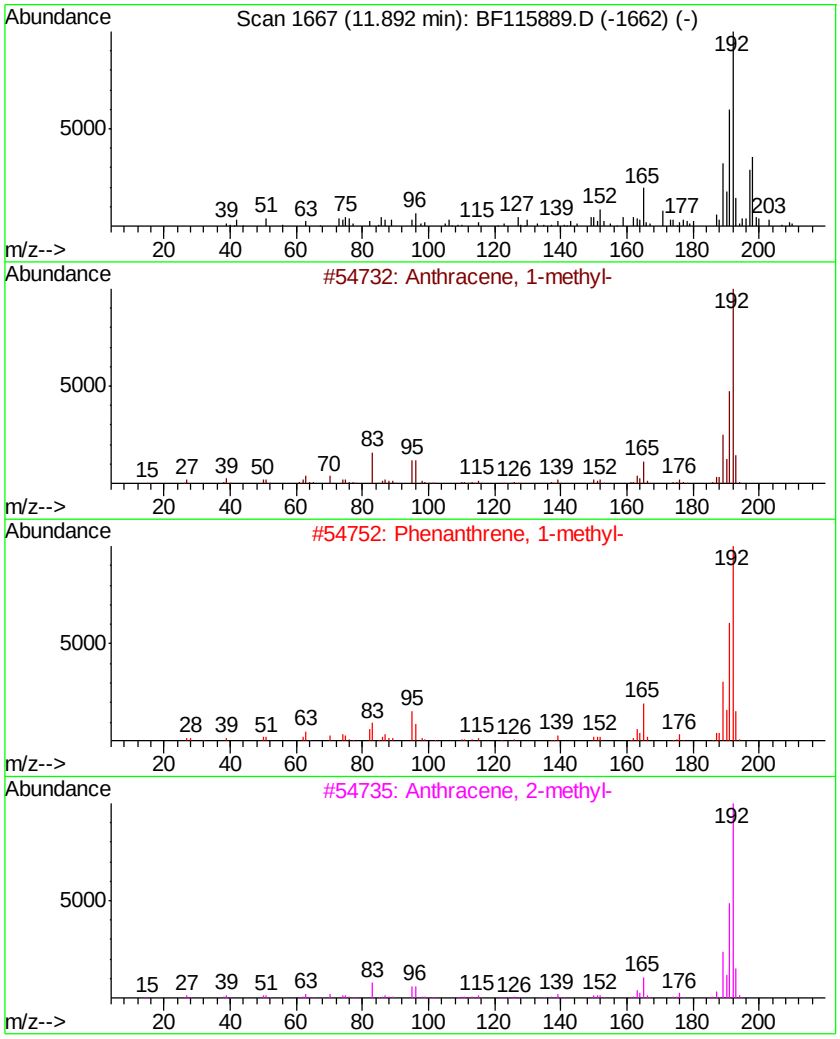
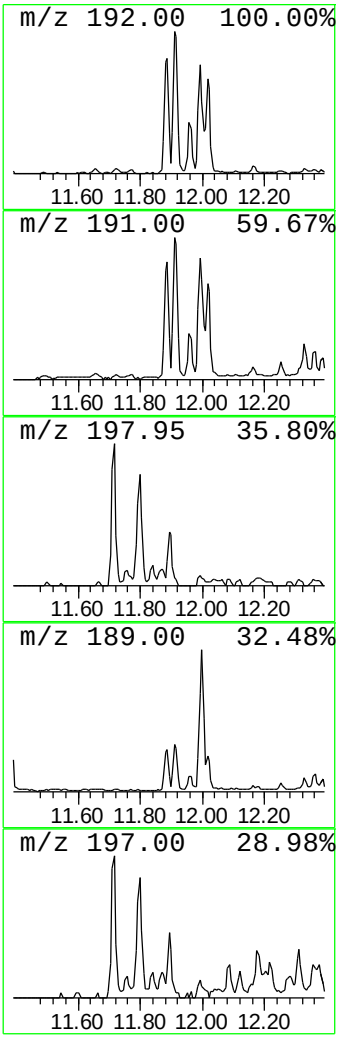
Peak Number 4 Anthracene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	2.45 ng	120870	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91





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Instrument : BNA_F
ClientSampleId : OR-03-072919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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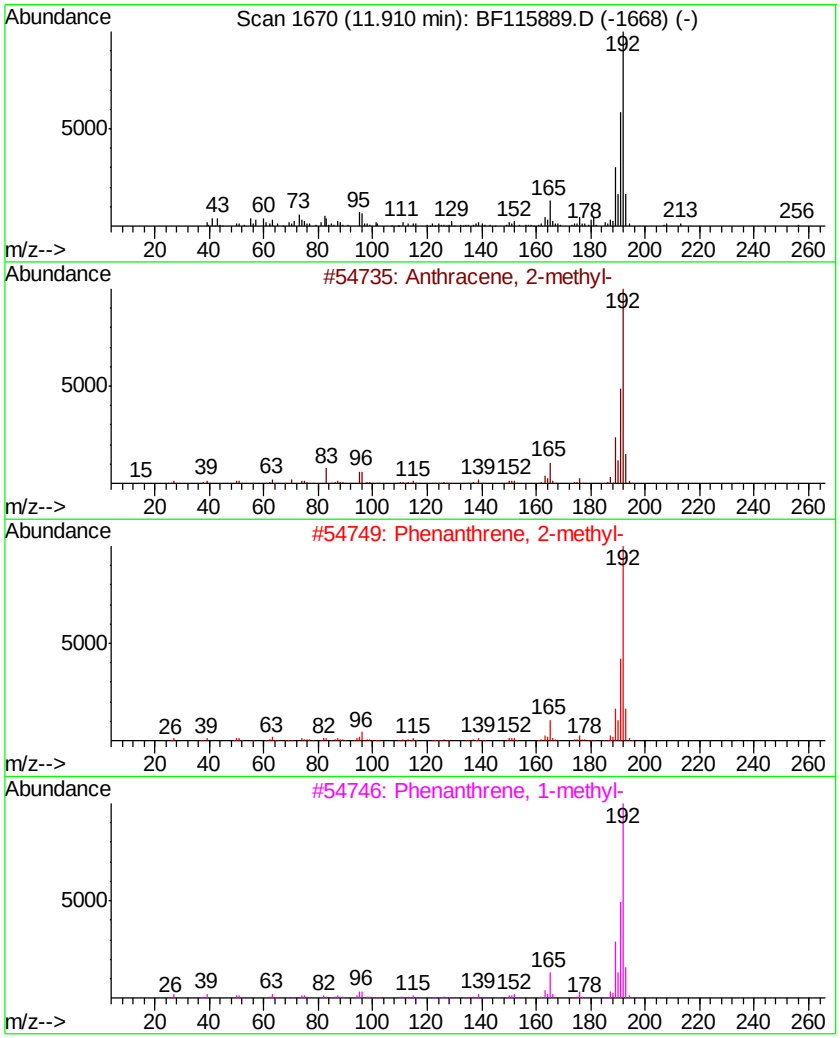
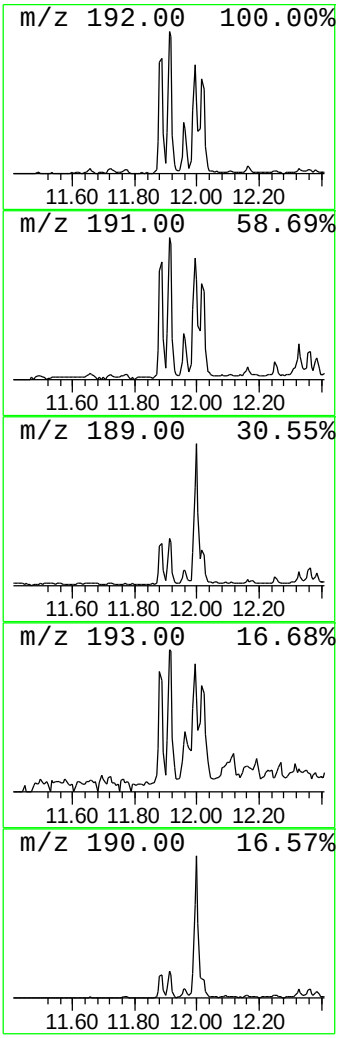
Peak Number 5 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	3.54 ng	174587	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
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Sample : K3622-13 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-072919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

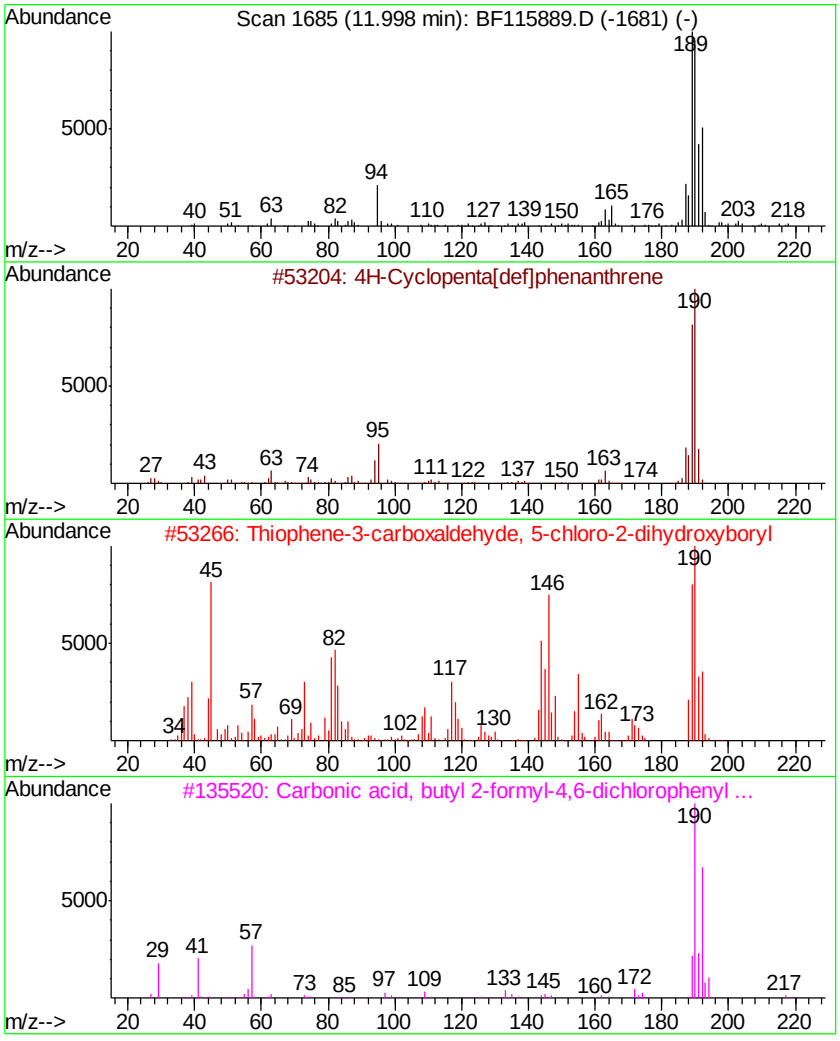
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

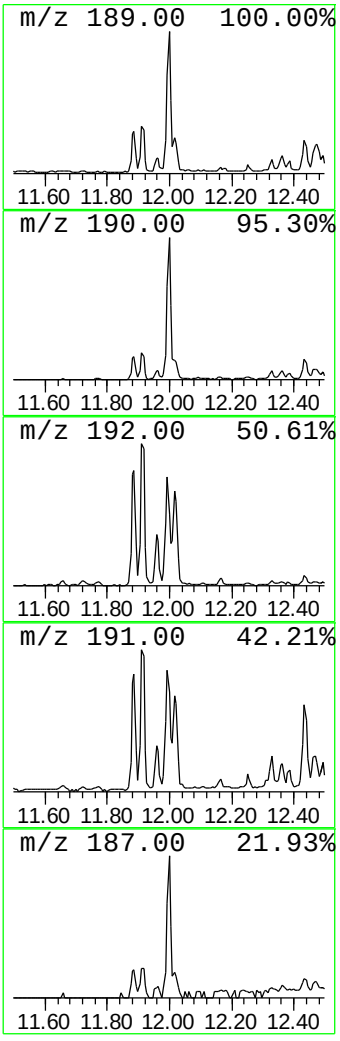
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	4.10 ng	202225	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3	Carbonic acid, butyl 2-formyl-4,...	290	C12H12Cl2O4	1000331-42-2	35
4	Megastigmatrienone	190	C13H18O	038818-55-2	18
5	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	14





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115889.D
Acq On : 1 Aug 2019 1:38
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Sample : K3622-13 2X
Misc :
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Instrument : BNA_F
ClientSampleId : OR-03-072919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

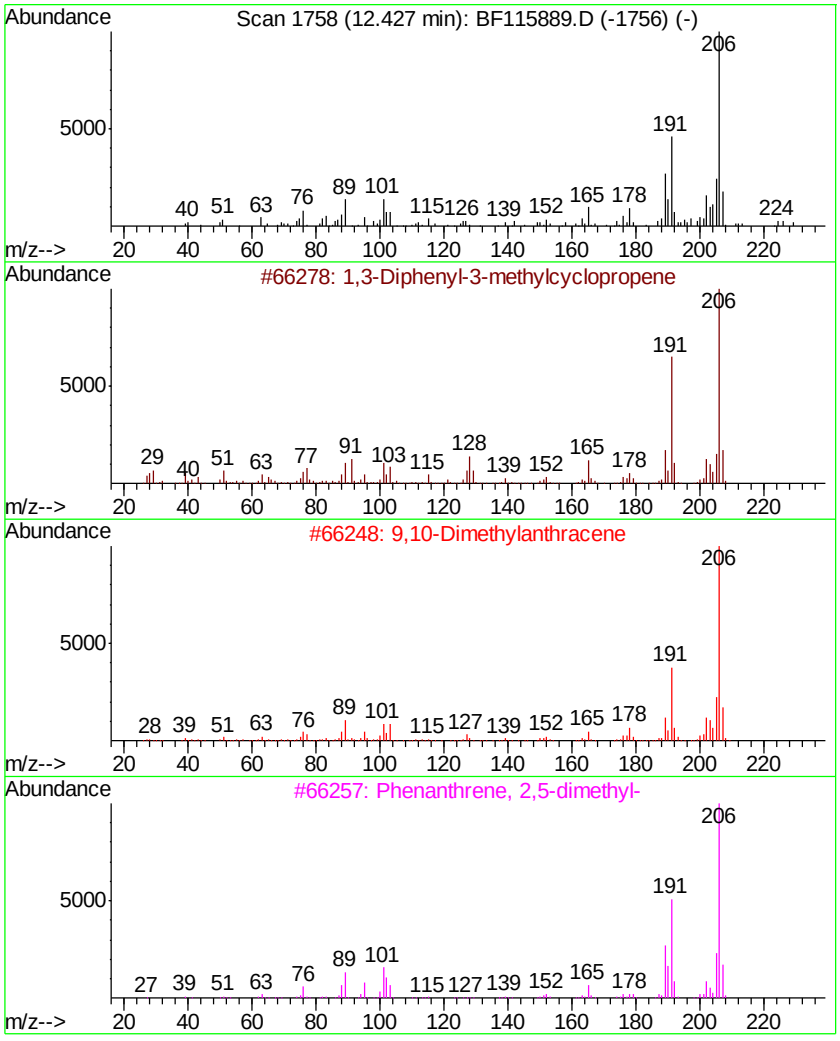
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

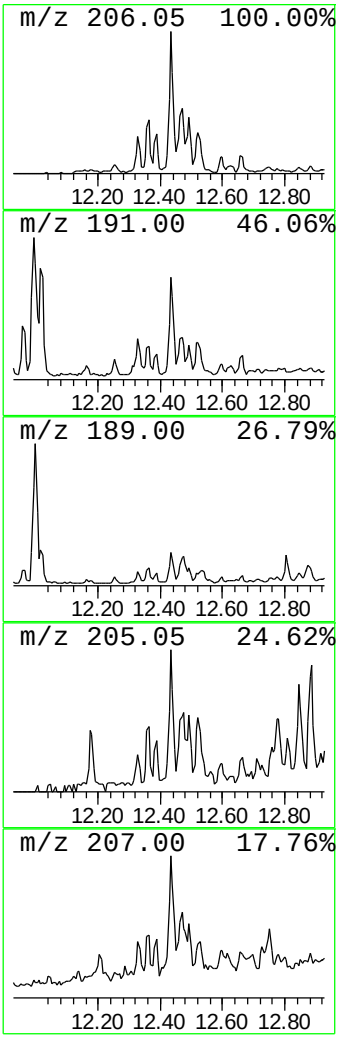
****

Peak Number 7 1,3-Diphenyl-3-methylcyclop... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	2.56 ng	126367	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	94
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115889.D
Acq On : 1 Aug 2019 1:38
Operator : HP/JU
Sample : K3622-13 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-072919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

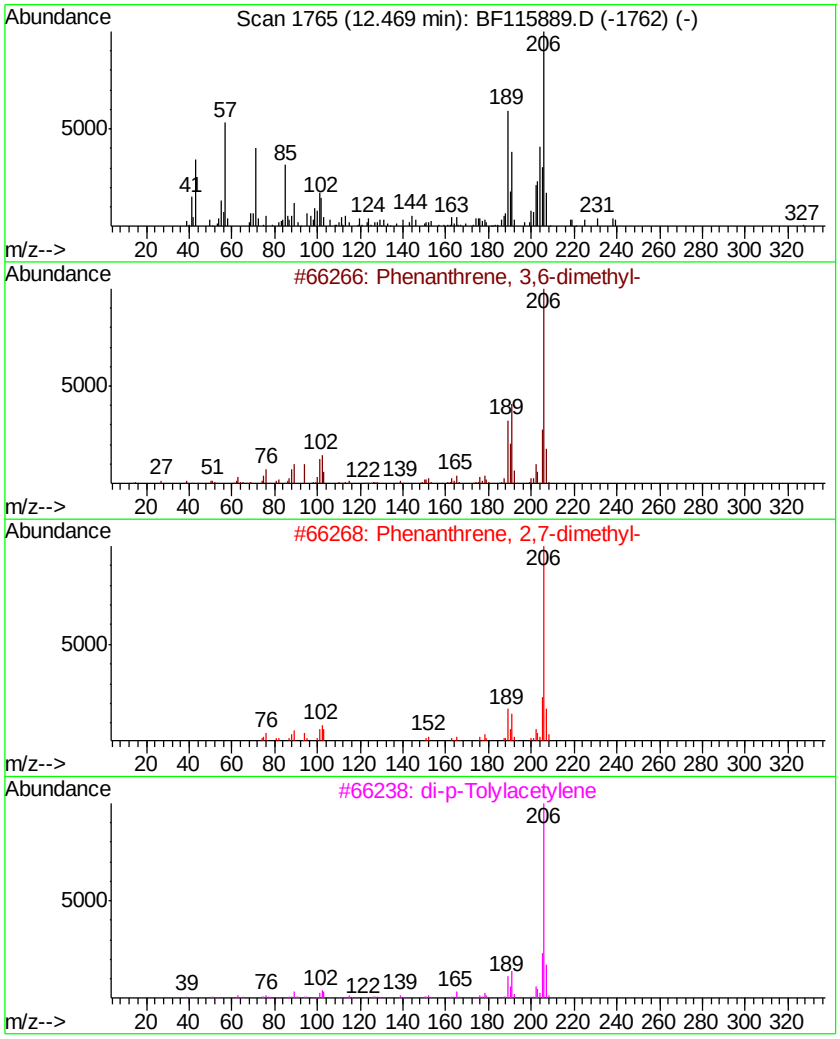
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

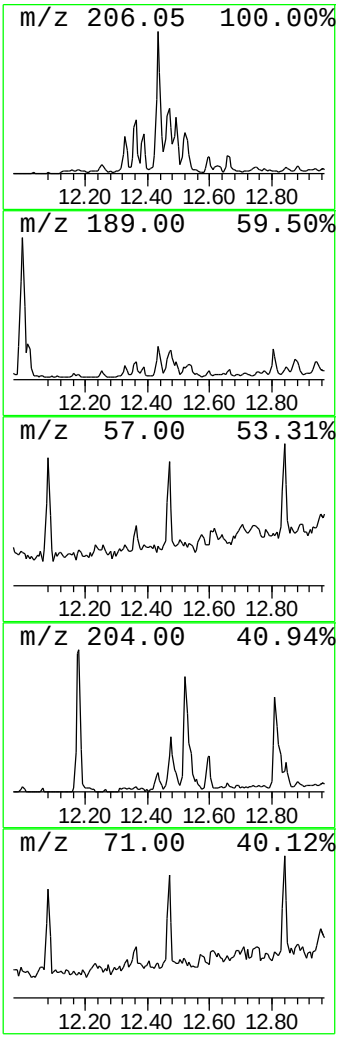
****

Peak Number 8 Phenanthrene, 3,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	2.15 ng	106024	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	66
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	60
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	43
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	42
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF073119\
Data File : BF115889.D
Acq On : 1 Aug 2019 1:38
Operator : HP/JU
Sample : K3622-13 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-072919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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
1,3,5-Cycloheptat...	3.91	9.2	ng	373150	1	6.85	812864	20.0
unknown6.62	6.62	30.3	ng	1233310	1	6.85	812864	20.0
Anthracene, 1-met...	11.89	2.5	ng	120870	4	11.38	987489	20.0
Anthracene, 2-met...	11.91	3.5	ng	174587	4	11.38	987489	20.0
4H-Cyclopenta[def...	12.00	4.1	ng	202225	4	11.38	987489	20.0
1,3-Diphenyl-3-me...	12.43	2.6	ng	126367	4	11.38	987489	20.0
Phenanthrene, 3,6...	12.47	2.1	ng	106024	4	11.38	987489	20.0