LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
Data File : BF112020.D
Acq On : 11 Jan 2019 17:28
Operator : JU/SJ
Sample : K1062-01RE
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-(1-10)-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-BF010719.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	2.146	6	10	16	rVB	58966	84893	4.22%	0.326%
2	5.087	506	510	516	rBV	95813	113946	5.67%	0.437%
3	5.504	577	581	591	rVB	2108453	1833459	91.17%	7.037%
4	5.710	610	616	626	rBV3	21147	35578	1.77%	0.137%
5	6.516	748	753	764	rBV	2087365	2011026	100.00%	7.718%
6	6.645	771	775	779	rBV	2231054	1983509	98.63%	7.613%
7	6.704	782	785	789	rBV3	21106	27998	1.39%	0.107%
8	6.869	810	813	817	rBV	706598	621118	30.89%	2.384%
9	7.028	836	840	843	rBV	1809387	1498275	74.50%	5.750%
10	7.134	855	858	863	rBV2	17671	24980	1.24%	0.096%
11	7.428	904	908	912	rBV	1307558	1235133	61.42%	4.740%
12	7.728	952	959	969	rBV	99281	101033	5.02%	0.388%
13	8.151	1027	1031	1034	rBV	844668	763495	37.97%	2.930%
14	8.369	1065	1068	1071	rBV	51091	38395	1.91%	0.147%
15	8.428	1074	1078	1082	rBV	69125	55348	2.75%	0.212%
16	8.863	1147	1152	1155	rBV2	27641	32370	1.61%	0.124%
17	9.227	1210	1214	1217	rBV	2392602	1890391	94.00%	7.255%
18	9.351	1233	1235	1244	rBV	35587	46216	2.30%	0.177%
19	9.616	1277	1280	1285	rVB	200165	153575	7.64%	0.589%
20	9.769	1303	1306	1309	rBV	39970	30781	1.53%	0.118%
21	9.910	1326	1330	1333	rVB	916795	759103	37.75%	2.913%
22	9.939	1333	1335	1338	rVB	52881	41827	2.08%	0.161%
23	10.110	1359	1364	1368	rVB	36557	34187	1.70%	0.131%
24	10.457	1419	1423	1428	rVB	46132	41979	2.09%	0.161%
25	10.545	1436	1438	1444	rVB3	34625	37310	1.86%	0.143%
26	10.698	1460	1464	1468	rBV	1415574	1199498	59.65%	4.604%
27	10.739	1468	1471	1476	rVV	97068	93135	4.63%	0.357%
28	10.810	1479	1483	1489	rBV6	18405	31395	1.56%	0.120%
29	11.010	1508	1517	1518	rBV6	13987	24540	1.22%	0.094%
30	11.198	1546	1549	1553	rVB	46797	37027	1.84%	0.142%
31	11.251	1553	1558	1562	rBV3	57557	65032	3.23%	0.250%
32	11.292	1562	1565	1567	rVB	38343	29978	1.49%	0.115%
33	11.398	1579	1583	1585	rBV	759300	753861	37.49%	2.893%
34	11.421	1585	1587	1590	rVV	686859	549595	27.33%	2.109%

LSC Area Percent Report

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Data File : BF112020.D
Acq On : 11 Jan 2019 17:28
Operator : JU/SJ
Sample : K1062-01RE
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-(1-10)-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-BF010719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.469	1593	1595	1598	rVB	133531	108029	5.37%	0.415%
36	11.621	1615	1621	1624	rBV2	91523	102043	5.07%	0.392%
37	11.898	1662	1668	1669	rBV	91594	80782	4.02%	0.310%
38	11.921	1669	1672	1676	rVV2	202164	221706	11.02%	0.851%
39	11.974	1678	1681	1683	rVV	42761	42391	2.11%	0.163%
40	12.010	1683	1687	1689	rVV2	116942	129511	6.44%	0.497%
41	12.033	1689	1691	1695	rVB	60127	49870	2.48%	0.191%
42	12.192	1715	1718	1720	rBV	68358	59013	2.93%	0.226%
43	12.216	1720	1722	1728	rVB	69854	57556	2.86%	0.221%
44	12.445	1757	1761	1765	rBV2	55445	73694	3.66%	0.283%
45	12.480	1765	1767	1770	rVV3	35516	42180	2.10%	0.162%
46	12.533	1773	1776	1781	rVB	60957	73024	3.63%	0.280%
47	12.580	1781	1784	1786	rBV2	32365	37144	1.85%	0.143%
48	12.610	1786	1789	1793	rVB	1019808	844812	42.01%	3.242%
49	12.704	1802	1805	1807	rBV	47070	40684	2.02%	0.156%
50	12.763	1812	1815	1818	rVV	33587	33918	1.69%	0.130%
51	12.839	1822	1828	1834	rBV	843810	861226	42.83%	3.305%
52	12.886	1834	1836	1841	rVB2	41257	49902	2.48%	0.192%
53	12.980	1845	1852	1858	rVB	1793893	1688398	83.96%	6.480%
54	13.057	1860	1865	1868	rBV3	53467	93712	4.66%	0.360%
55	13.145	1877	1880	1881	rBV2	38929	40151	2.00%	0.154%
56	13.163	1881	1883	1887	rVB	78807	80627	4.01%	0.309%
57	13.233	1893	1895	1897	rBV	41769	29965	1.49%	0.115%
58	13.268	1898	1901	1904	rVV2	76415	76024	3.78%	0.292%
59	13.363	1915	1917	1920	rVB2	49463	34015	1.69%	0.131%
60	13.392	1920	1922	1925	rBV	42984	40325	2.01%	0.155%
61	13.451	1929	1932	1935	rVV	130511	117025	5.82%	0.449%
62	13.551	1946	1949	1951	rBV2	35947	39465	1.96%	0.151%
63	13.674	1967	1970	1975	rVB	104787	114743	5.71%	0.440%
64	13.786	1985	1989	1991	rBV2	94591	113303	5.63%	0.435%
65	13.815	1991	1994	1996	rVV	69706	67857	3.37%	0.260%
66	13.839	1996	1998	2001	rVV2	59048	88102	4.38%	0.338%
67	13.874	2001	2004	2010	rVB3	195318	279092	13.88%	1.071%
68	14.039	2024	2032	2035	rBV3	999025	1532278	76.19%	5.881%
69	14.062	2035	2036	2044	rVB	466935	356889	17.75%	1.370%
70	14.198	2057	2059	2062	rVB2	68591	51318	2.55%	0.197%
71	14.427	2096	2098	2101	rVB	80829	66797	3.32%	0.256%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
Data File : BF112020.D
Acq On : 11 Jan 2019 17:28
Operator : JU/SJ
Sample : K1062-01RE
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-(1-10)-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-BF010719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.492	2106	2109	2110	rVV	85410	82603	4.11%	0.317%
73	14.509	2110	2112	2117	rVB3	109424	132472	6.59%	0.508%
74	15.092	2207	2211	2214	rBV	327448	456576	22.70%	1.752%
75	15.162	2220	2223	2226	rBV2	89724	90838	4.52%	0.349%
76	15.398	2260	2263	2270	rVB	185169	261806	13.02%	1.005%
77	15.462	2270	2274	2280	rBV	229322	308353	15.33%	1.183%
78	15.527	2281	2285	2293	rVB2	383336	624933	31.08%	2.399%

Sum of corrected areas: 26055138

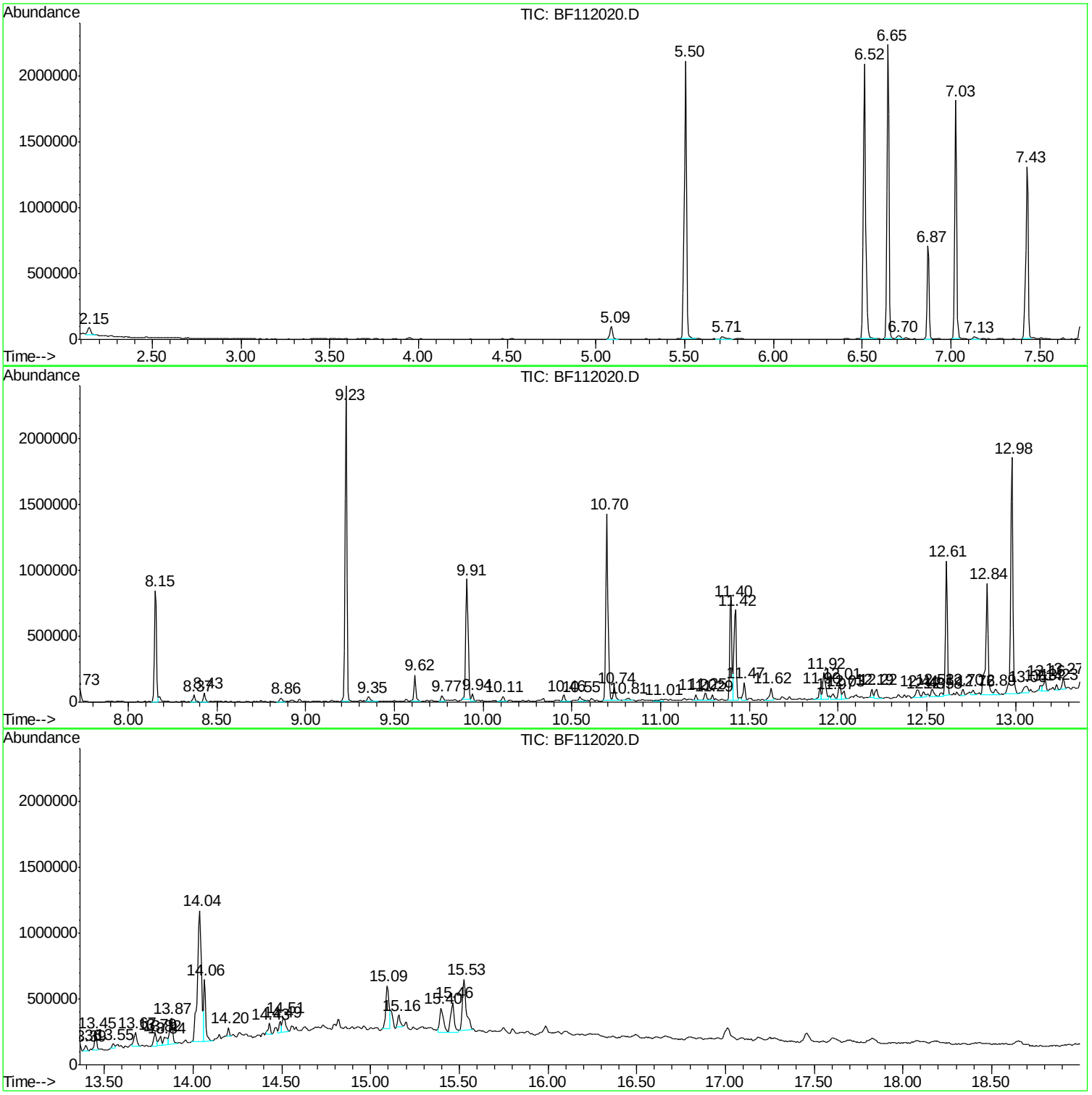
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
Data File : BF112020.D
Acq On : 11 Jan 2019 17:28
Operator : JU/SJ
Sample : K1062-01RE
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-(1-10)-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.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\BF011119\
Data File : BF112020.D
Acq On : 11 Jan 2019 17:28
Operator : JU/SJ
Sample : K1062-01RE
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-(1-10)-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

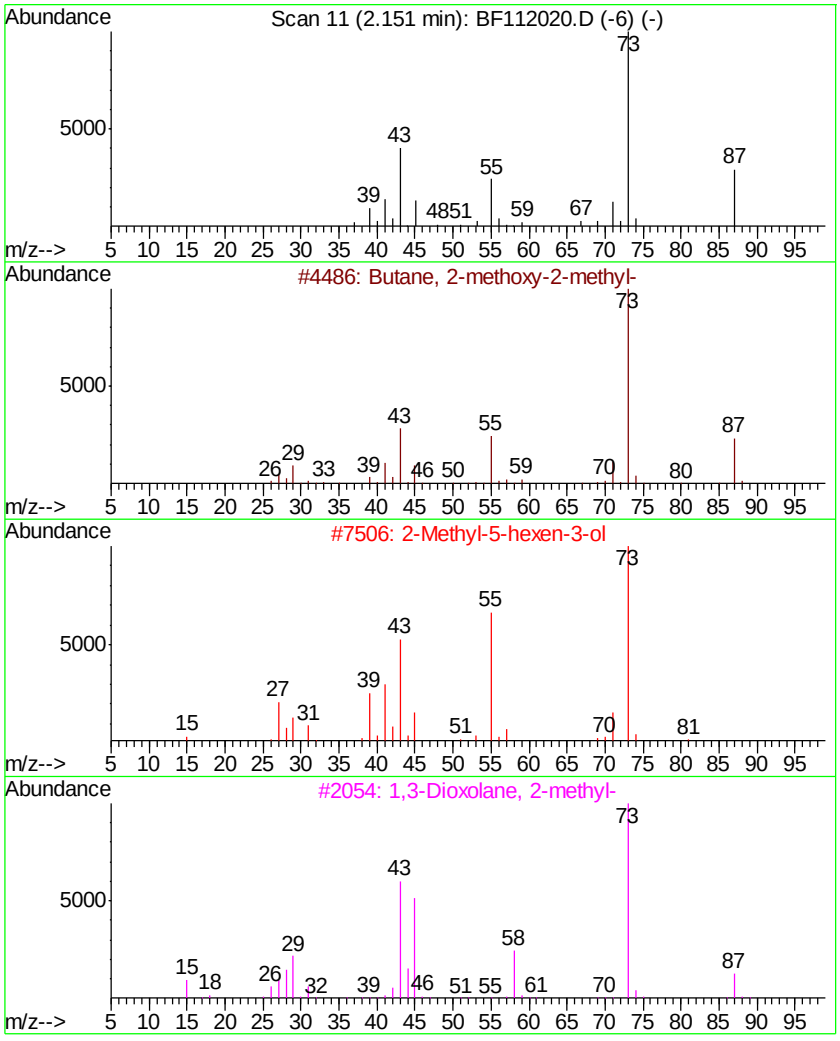
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

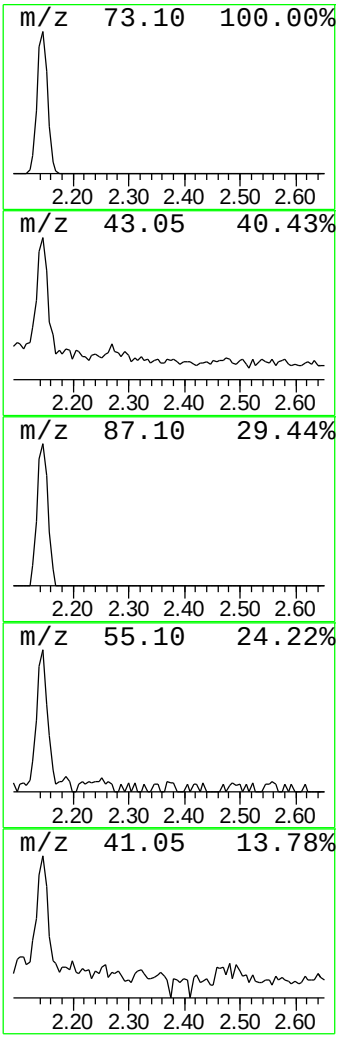
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.15	2.73 ng	84893	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
2	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	37
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	23
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
Data File : BF112020.D
Acq On : 11 Jan 2019 17:28
Operator : JU/SJ
Sample : K1062-01RE
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-(1-10)-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

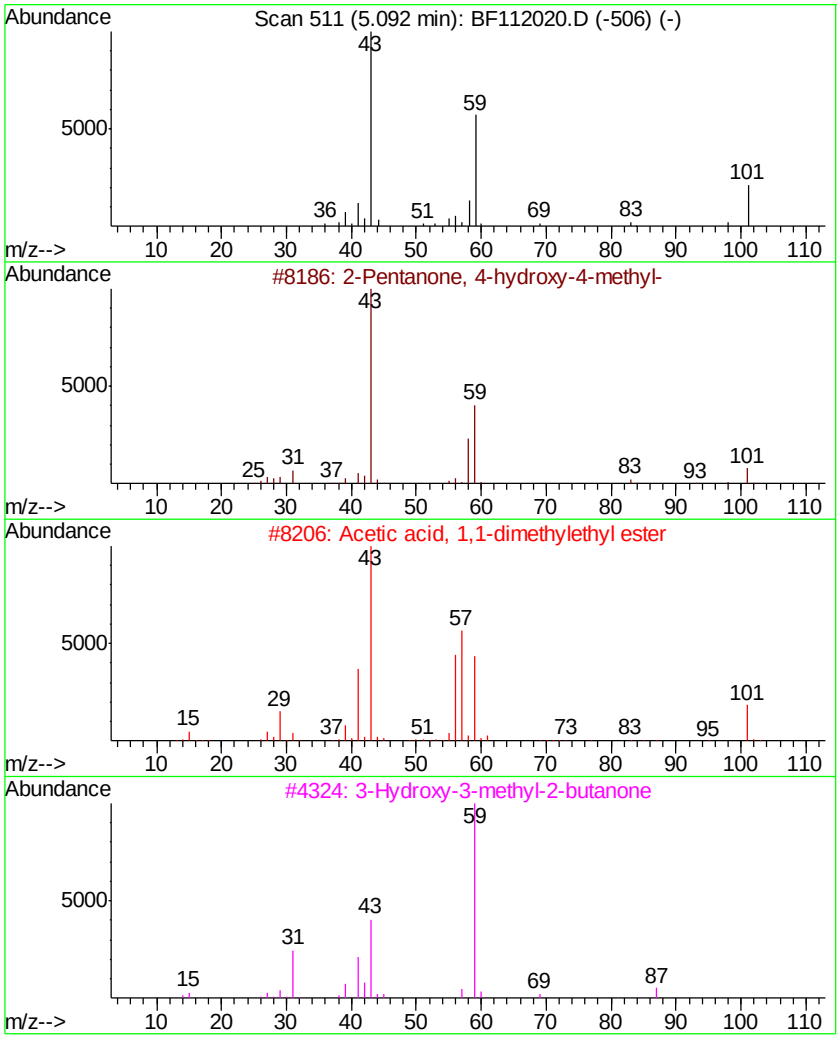
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

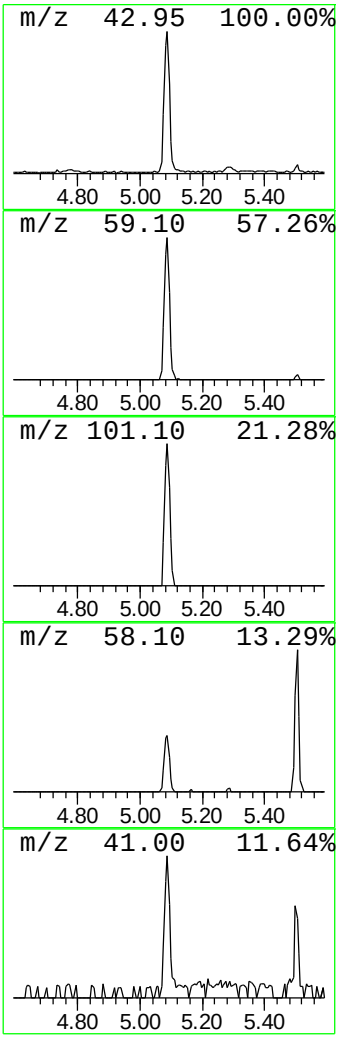
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.09	3.67 ng	113946	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	25
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
5	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	23





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
Data File : BF112020.D
Acq On : 11 Jan 2019 17:28
Operator : JU/SJ
Sample : K1062-01RE
Misc :
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Instrument : BNA_F
ClientSampleId : TP-(1-10)-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

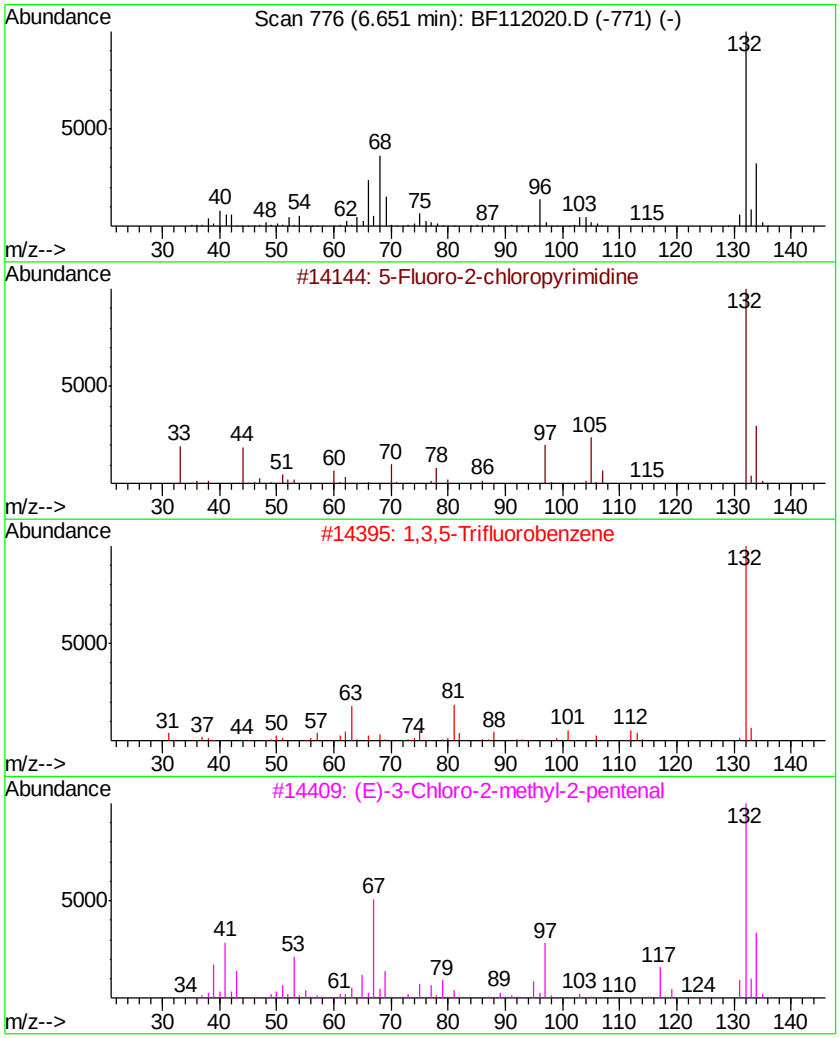
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

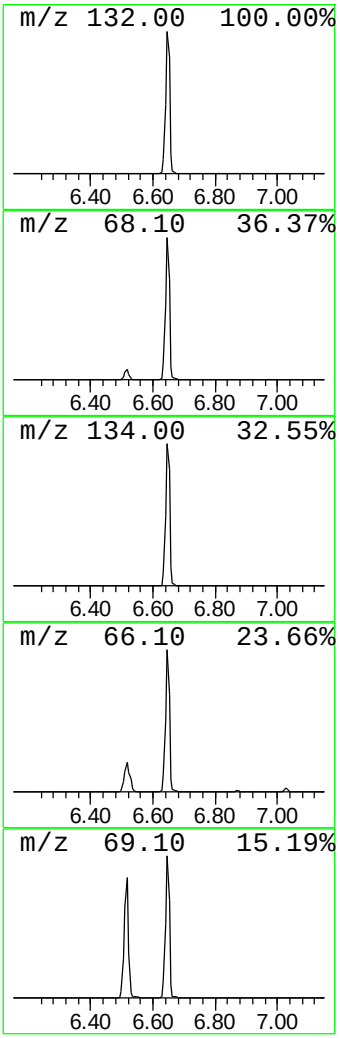
****

Peak Number 3 unknown6.65 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	63.87 ng	1983510	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
2	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
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





Library Search Compound Report

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

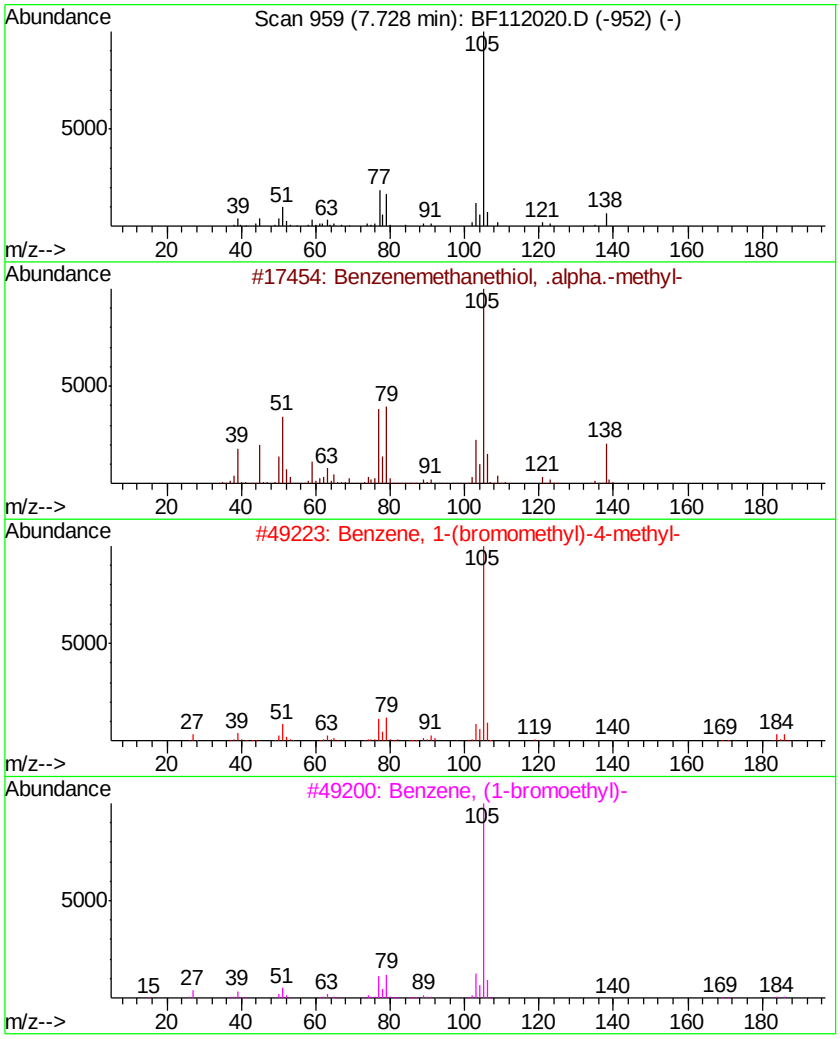
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

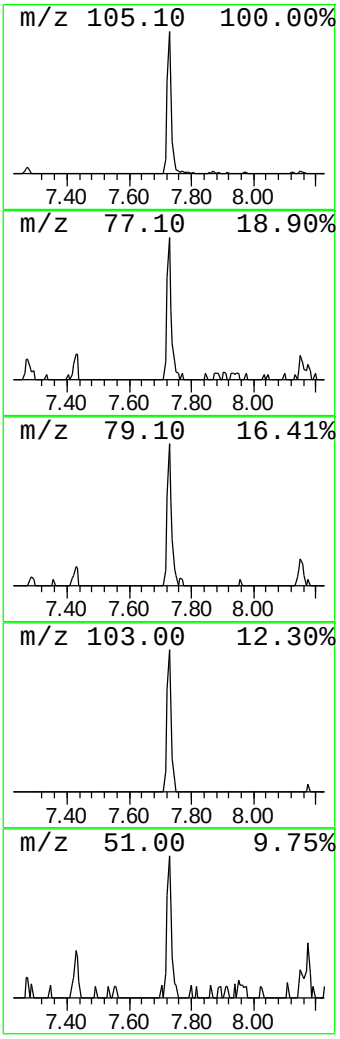
****

Peak Number 5 Benzenemethanethiol, .alpha... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.73	2.65 ng	101033	Naphthalene-d8	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenemethanethiol, .alpha.-met...	138	C8H10S	006263-65-6	83
2	Benzene, 1-(bromomethyl)-4-methyl-	184	C8H9Br	000104-81-4	72
3	Benzene, (1-bromoethyl)-	184	C8H9Br	000585-71-7	72
4	Benzene, (1,3-dimethyl-3-butenyl)-	160	C12H16	056851-51-5	72
5	Phenol, o-[(.alpha.-methylbenzyl...	262	C14H14O3S	029634-38-6	72





Library Search Compound Report

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Data File : BF112020.D
Acq On : 11 Jan 2019 17:28
Operator : JU/SJ
Sample : K1062-01RE
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-(1-10)-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

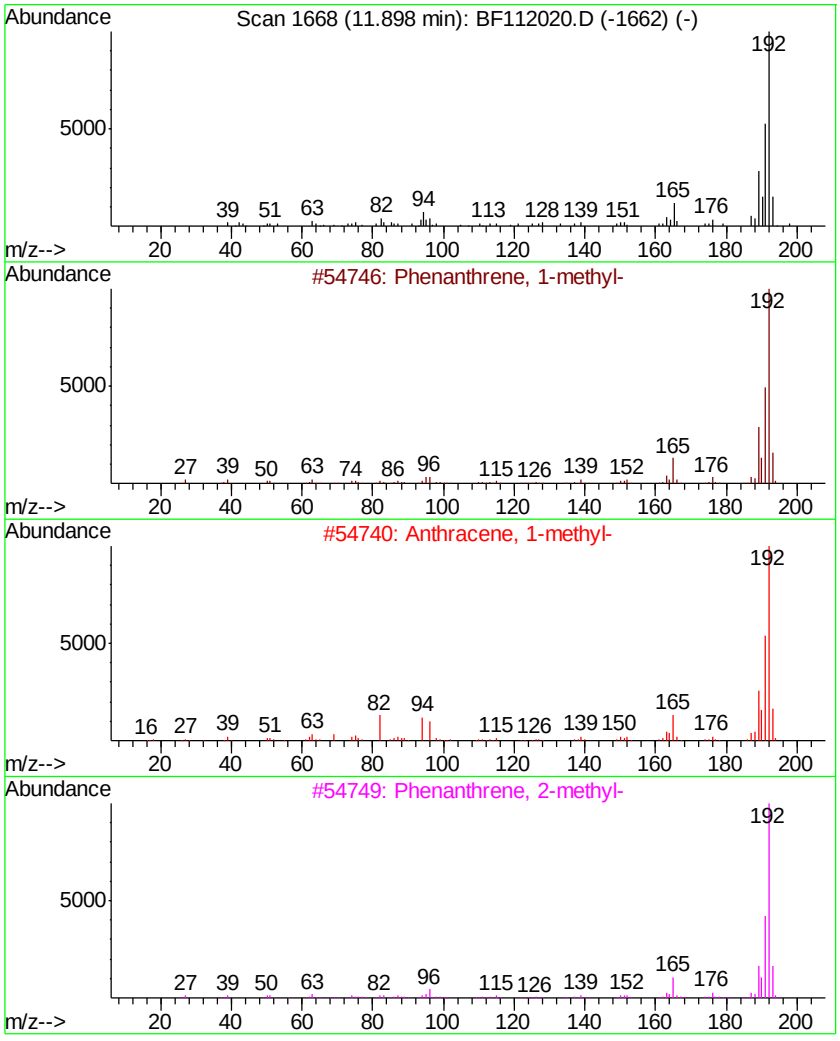
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

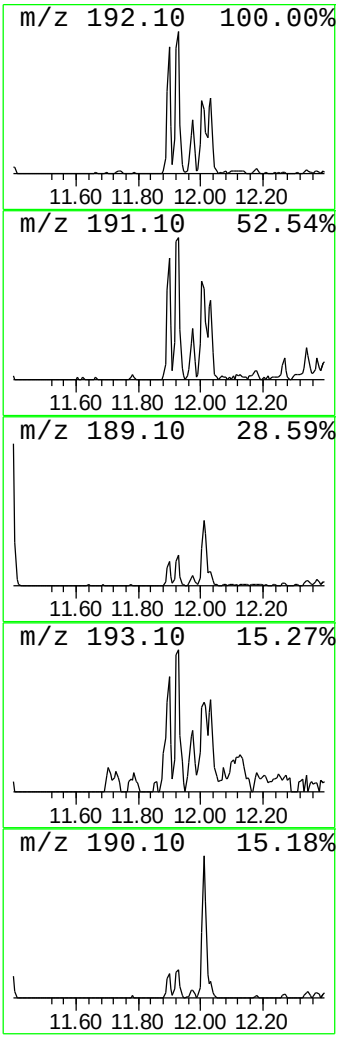
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	2.14 ng	80782	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
Data File : BF112020.D
Acq On : 11 Jan 2019 17:28
Operator : JU/SJ
Sample : K1062-01RE
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-(1-10)-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

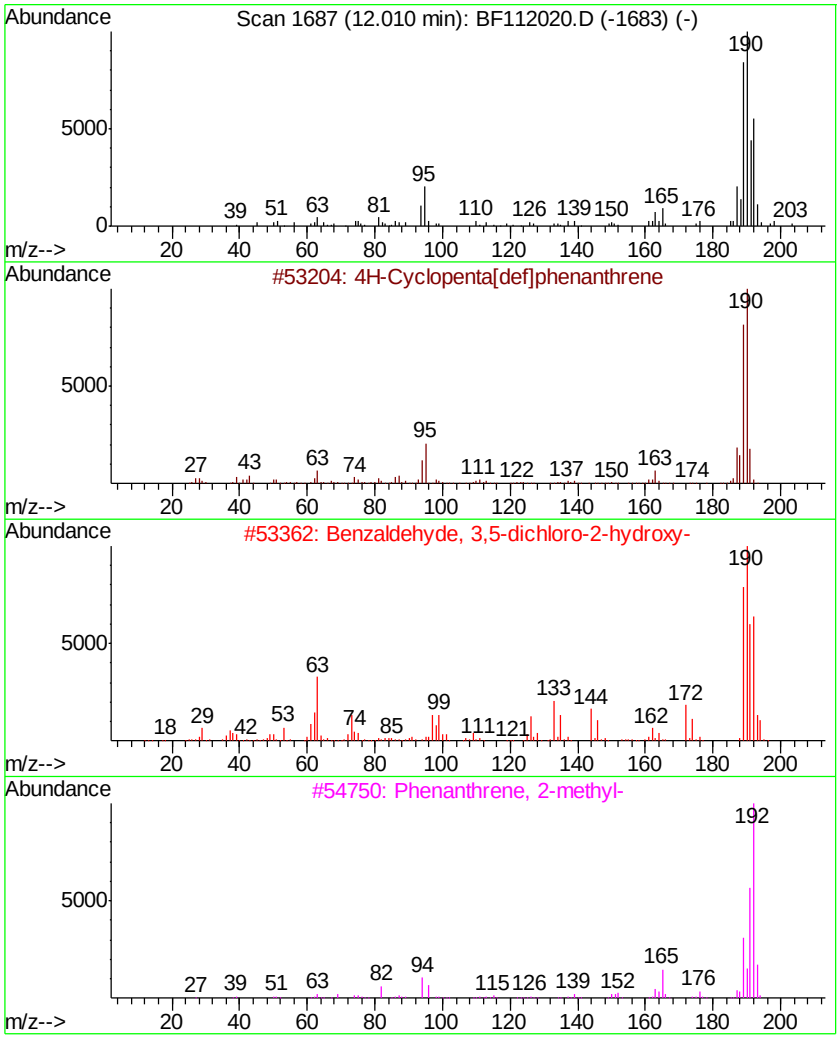
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

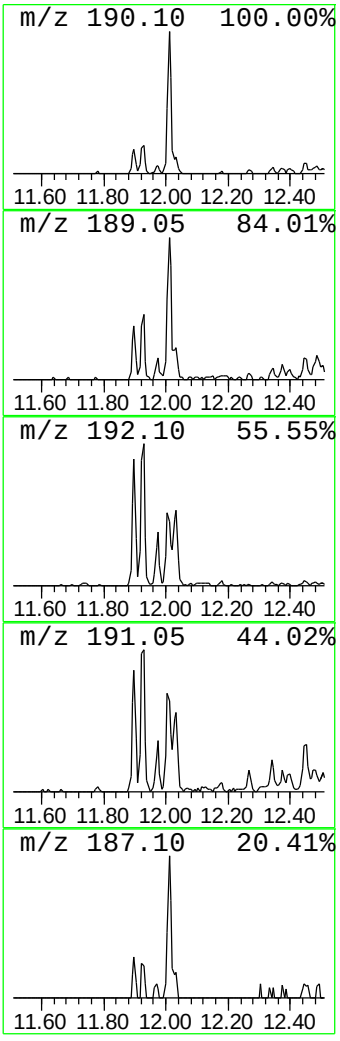
****

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	3.44 ng	129511	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	59
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	30
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	25
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	25





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
Data File : BF112020.D
Acq On : 11 Jan 2019 17:28
Operator : JU/SJ
Sample : K1062-01RE
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-(1-10)-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

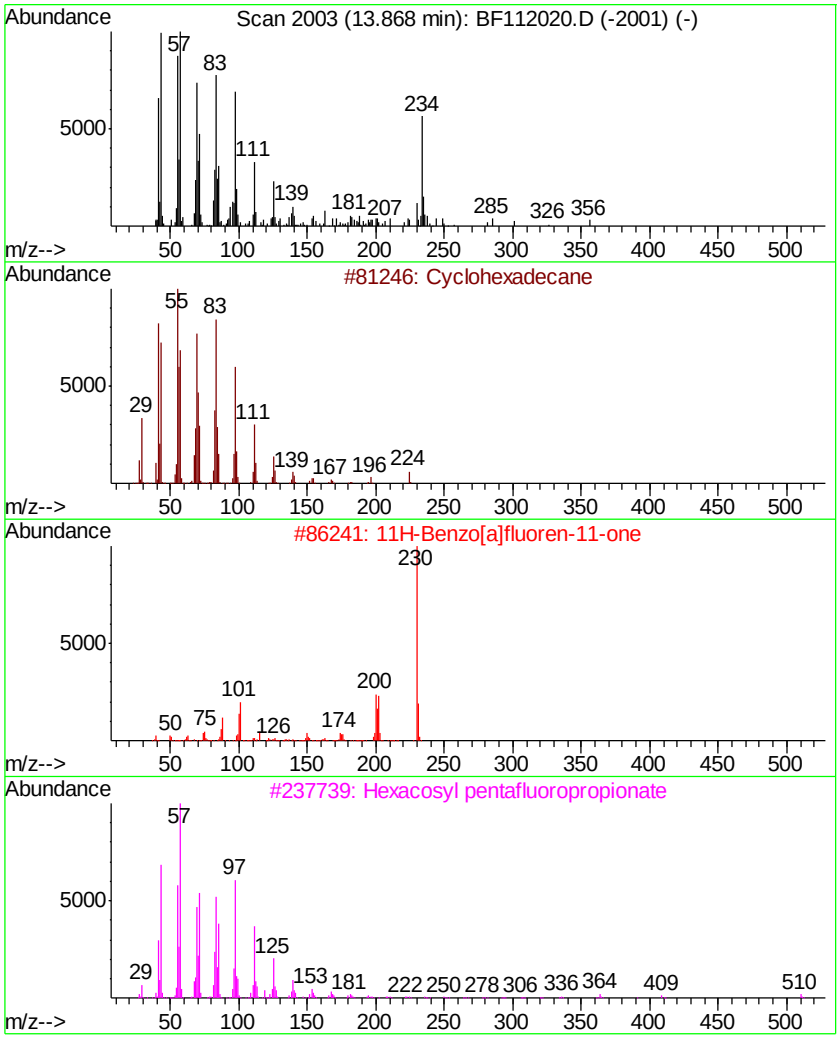
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

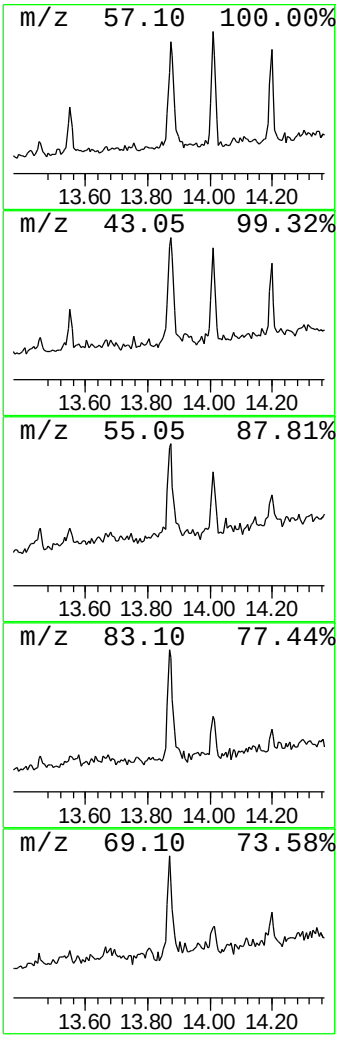
****

Peak Number 9 Cyclohexadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	3.64 ng	279092	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	91
2	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	46
3	Hexacosyl pentafluoropropionate	528	C29H53F5O2	1000351-81-2	45
4	Heptacosyl pentafluoropropionate	542	C30H55F5O2	1000351-81-6	45
5	Tricosyl trifluoroacetate	436	C25H47F3O2	1000351-75-1	45





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
Data File : BF112020.D
Acq On : 11 Jan 2019 17:28
Operator : JU/SJ
Sample : K1062-01RE
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-(1-10)-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

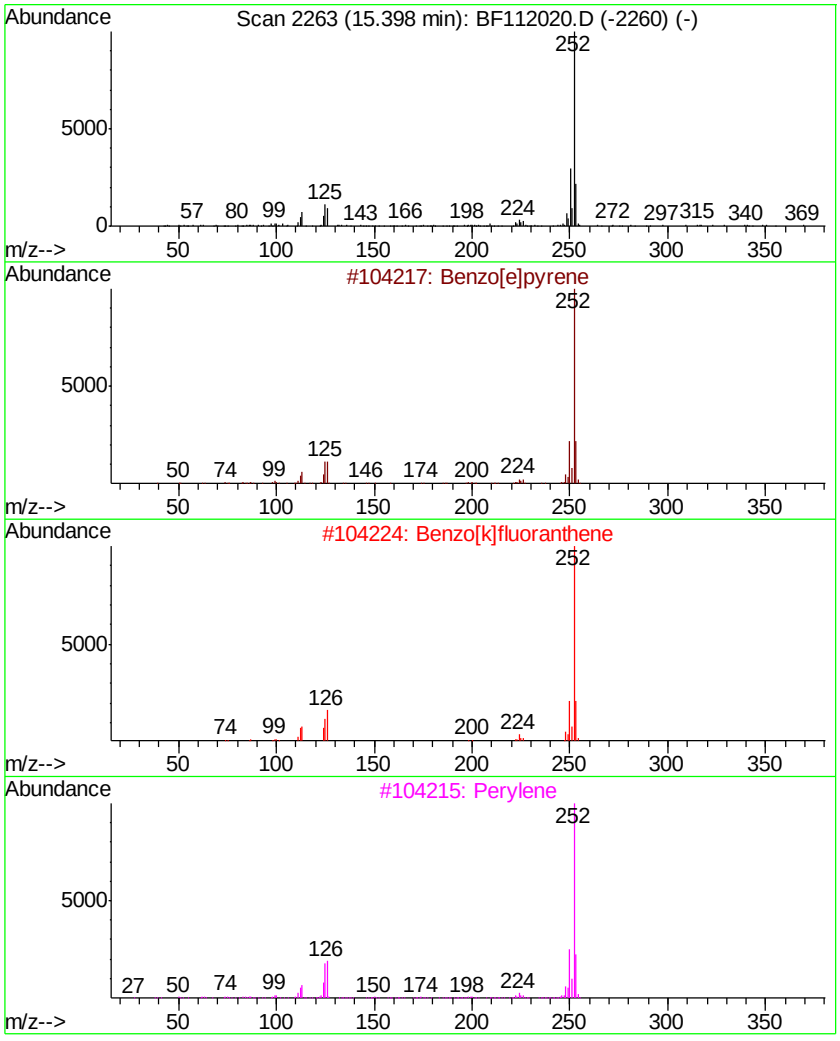
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

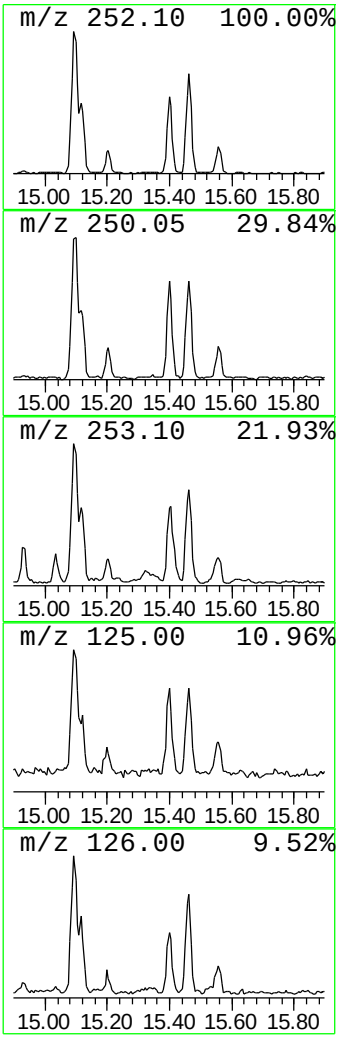
****

Peak Number 10 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.40	8.38 ng	261806	Perylene-d12	15.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Perylene	252	C20H12	000198-55-0	94
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Benzo[a]pyrene	252	C20H12	000050-32-8	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF011119\
Data File : BF112020.D
Acq On : 11 Jan 2019 17:28
Operator : JU/SJ
Sample : K1062-01RE
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-(1-10)-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.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
Butane, 2-methoxy...	2.15	2.7	ng	84893	1	6.87	621118	20.0
2-Pentanone, 4-hy...	5.09	3.7	ng	113946	1	6.87	621118	20.0
unknown6.65	6.65	63.9	ng	1983510	1	6.87	621118	20.0
Benzenemethanethi...	7.73	2.6	ng	101033	2	8.15	763495	20.0
Phenanthrene, 1-m...	11.90	2.1	ng	80782	4	11.40	753861	20.0
4H-Cyclopenta[def...	12.01	3.4	ng	129511	4	11.40	753861	20.0
Cyclohexadecane	13.87	3.6	ng	279092	5	14.04	1532280	20.0
Benzo[e]pyrene	15.40	8.4	ng	261806	6	15.53	624933	20.0