LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF111417\
Data File : BF100560.D
Acq On : 14 Nov 2017 23:11
Operator : SJ/JU
Sample : I6441-23
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-7A-7B

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:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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	2.181	12	16	23	rVB2	20504	31650	1.38%	0.122%
2	5.110	509	514	521	rBV	371853	460432	20.05%	1.782%
3	5.504	574	581	584	rBV	2227668	2081142	90.61%	8.053%
4	6.510	746	752	759	rBV	2166106	2296735	100.00%	8.887%
5	6.651	772	776	780	rVB	2294566	2150878	93.65%	8.323%
6	6.886	812	816	821	rVB	857368	737871	32.13%	2.855%
7	7.039	838	842	846	rVB	1940518	1714631	74.66%	6.635%
8	7.445	906	911	914	rBV	1571266	1422932	61.95%	5.506%
9	8.169	1030	1034	1036	rBV	950868	881113	38.36%	3.409%
10	8.716	1122	1127	1130	rBV	244920	188637	8.21%	0.730%
11	9.239	1211	1216	1219	rBV	2536793	2188035	95.27%	8.466%
12	9.316	1225	1229	1231	rBV2	31619	28201	1.23%	0.109%
13	9.627	1279	1282	1286	rVB	428488	335830	14.62%	1.299%
14	9.845	1312	1319	1321	rBV2	27200	30139	1.31%	0.117%
15	9.922	1328	1332	1335	rVV	978960	842894	36.70%	3.261%
16	9.951	1335	1337	1340	rVB	35286	28947	1.26%	0.112%
17	10.122	1361	1366	1369	rVB2	28410	29678	1.29%	0.115%
18	10.469	1422	1425	1430	rVB3	24943	30461	1.33%	0.118%
19	10.627	1447	1452	1456	rBV	565543	501034	21.82%	1.939%
20	10.710	1461	1466	1469	rBV	1059266	1029586	44.83%	3.984%
21	11.404	1581	1584	1587	rBV	848876	790089	34.40%	3.057%
22	11.427	1587	1588	1591	rVV	304385	198617	8.65%	0.769%
23	11.480	1594	1597	1600	rVB	87879	63648	2.77%	0.246%
24	11.904	1666	1669	1671	rBV	60913	61653	2.68%	0.239%
25	11.933	1671	1674	1677	rVB	99522	102214	4.45%	0.396%
26	12.016	1685	1688	1691	rBV2	93458	100367	4.37%	0.388%
27	12.039	1691	1692	1697	rVB	49433	30198	1.31%	0.117%
28	12.092	1697	1701	1706	rBV5	17964	34135	1.49%	0.132%
29	12.198	1716	1719	1722	rBV	47690	47115	2.05%	0.182%
30	12.457	1759	1763	1765	rBV	59994	60398	2.63%	0.234%
31	12.486	1765	1768	1771	rBV2	35817	39324	1.71%	0.152%
32	12.539	1775	1777	1782	rVB2	42383	41146	1.79%	0.159%
33	12.616	1786	1790	1794	rVB	650487	563843	24.55%	2.182%
34	12.663	1794	1798	1799	rBV	37119	35254	1.53%	0.136%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF111417\
Data File : BF100560.D
Acq On : 14 Nov 2017 23:11
Operator : SJ/JU
Sample : I6441-23
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-7A-7B

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:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.845	1823	1829	1835	rBV	544160	602440	26.23%	2.331%
36	12.898	1835	1838	1841	rVB2	28006	29706	1.29%	0.115%
37	12.963	1845	1849	1850	rBV2	38928	36791	1.60%	0.142%
38	12.986	1850	1853	1859	rVB	1722827	1658385	72.21%	6.417%
39	13.063	1861	1866	1870	rBV3	49295	90019	3.92%	0.348%
40	13.151	1877	1881	1882	rBV3	30941	34111	1.49%	0.132%
41	13.174	1882	1885	1888	rVB	99926	87812	3.82%	0.340%
42	13.239	1893	1896	1898	rVV	68756	50276	2.19%	0.195%
43	13.274	1898	1902	1905	rVB3	66599	76811	3.34%	0.297%
44	13.368	1916	1918	1921	rBV	33607	27980	1.22%	0.108%
45	13.398	1921	1923	1927	rBV	36763	43495	1.89%	0.168%
46	13.551	1946	1949	1951	rBV4	21998	27212	1.18%	0.105%
47	13.680	1968	1971	1975	rVB	64833	74181	3.23%	0.287%
48	13.792	1986	1990	1993	rBV3	64301	79098	3.44%	0.306%
49	13.821	1993	1995	1997	rVV	54336	39200	1.71%	0.152%
50	13.845	1997	1999	2000	rVV	43596	36707	1.60%	0.142%
51	13.874	2001	2004	2010	rVB2	197769	237972	10.36%	0.921%
52	13.963	2017	2019	2024	rBV4	22416	30876	1.34%	0.119%
53	14.045	2025	2033	2035	rVV2	871293	1139240	49.60%	4.408%
54	14.068	2035	2037	2042	rVB	343426	295140	12.85%	1.142%
55	14.151	2048	2051	2054	rVB	44985	40730	1.77%	0.158%
56	14.427	2096	2098	2100	rVB	65331	50232	2.19%	0.194%
57	14.462	2102	2104	2107	rVB2	36445	28635	1.25%	0.111%
58	14.498	2108	2110	2111	rBV2	27857	24152	1.05%	0.093%
59	14.551	2117	2119	2121	rBV	44539	39883	1.74%	0.154%
60	14.662	2135	2138	2143	rVB	178616	169162	7.37%	0.655%
61	15.086	2206	2210	2213	rBV	224413	333656	14.53%	1.291%
62	15.192	2226	2228	2231	rVB	46185	47459	2.07%	0.184%
63	15.392	2259	2262	2269	rVB	123265	153115	6.67%	0.592%
64	15.457	2269	2273	2279	rBV	169914	221496	9.64%	0.857%
65	15.521	2279	2284	2294	rBV2	401554	614023	26.73%	2.376%
66	16.998	2531	2535	2544	rVB2	75767	151890	6.61%	0.588%
67	17.451	2608	2612	2617	rVB	54246	93047	4.05%	0.360%

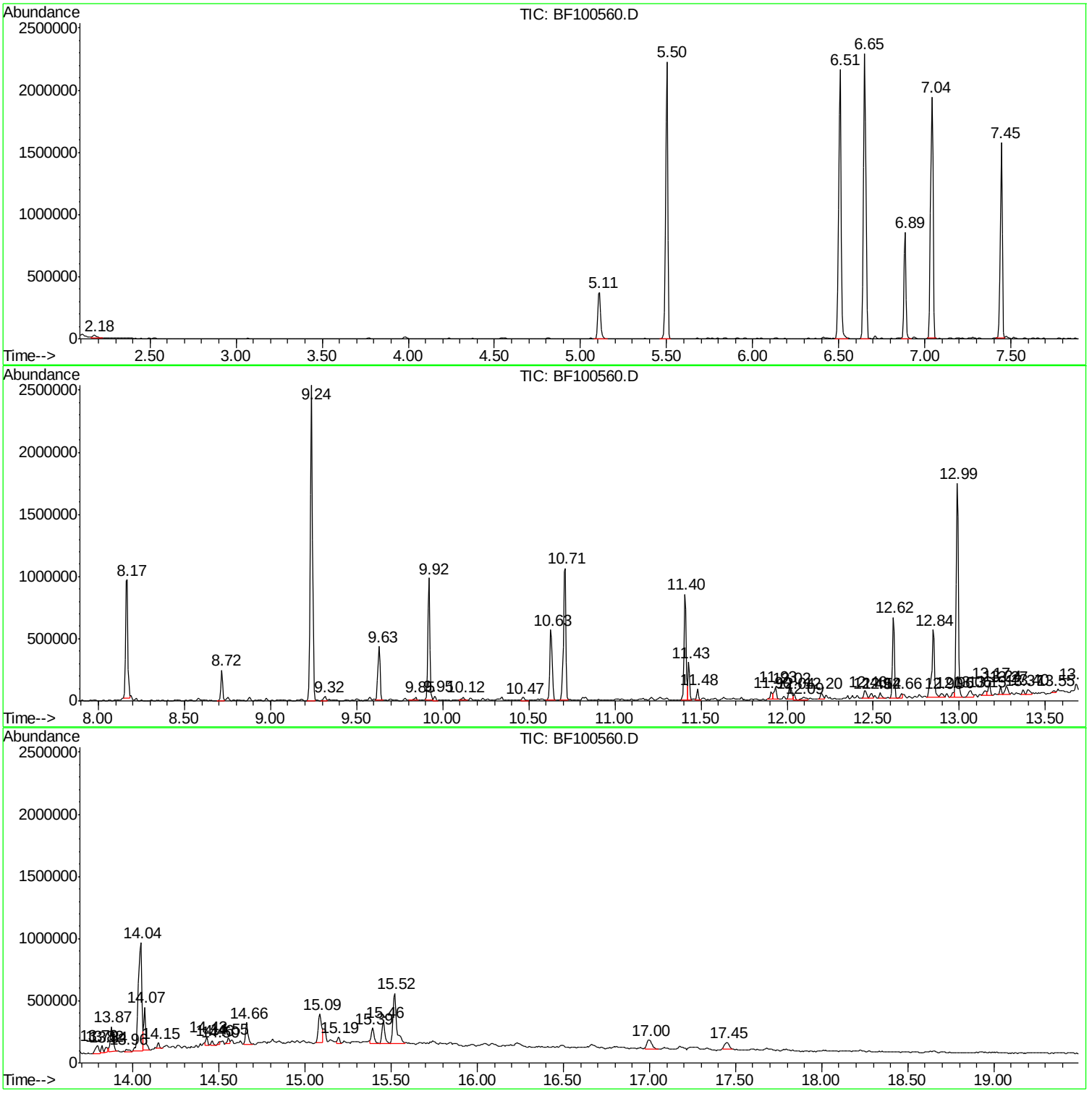
Sum of corrected areas: 25843759

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF111417\
Data File : BF100560.D
Acq On : 14 Nov 2017 23:11
Operator : SJ/JU
Sample : I6441-23
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-7A-7B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF111417\
Data File : BF100560.D
Acq On : 14 Nov 2017 23:11
Operator : SJ/JU
Sample : I6441-23
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-7A-7B

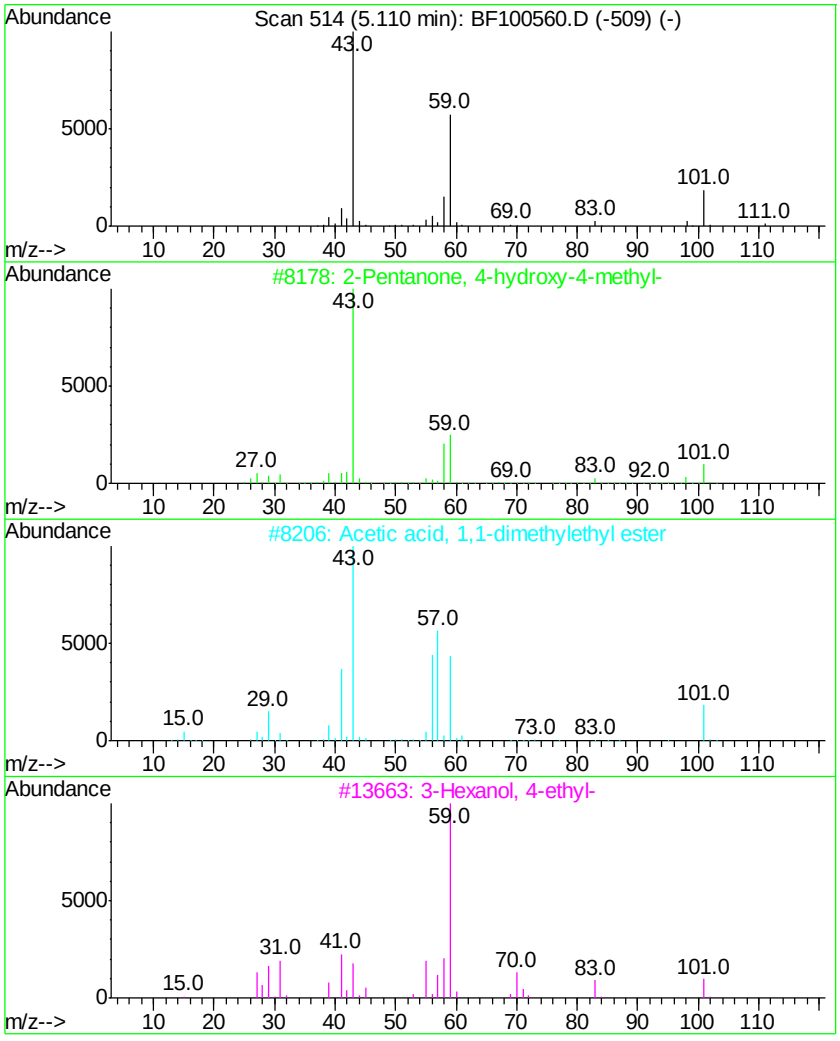
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

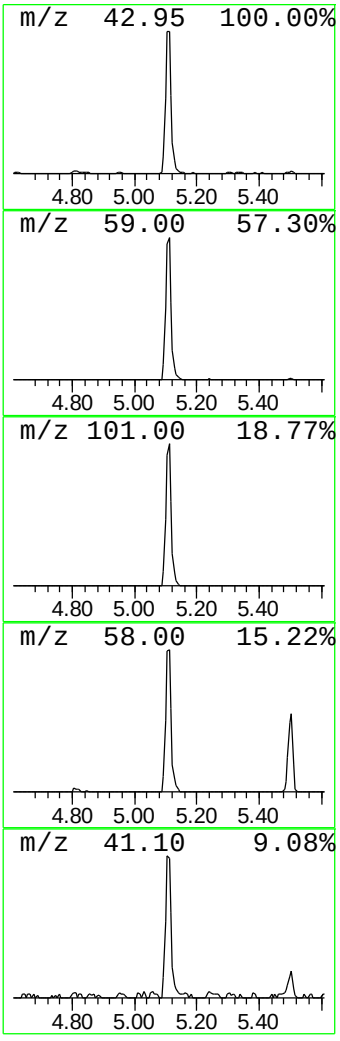
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.11	12.48 ng	460432	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	3-Hexanol, 4-ethyl-	130	C8H18O	019780-44-0	33
4	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	23
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF111417\
Data File : BF100560.D
Acq On : 14 Nov 2017 23:11
Operator : SJ/JU
Sample : I6441-23
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-7A-7B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

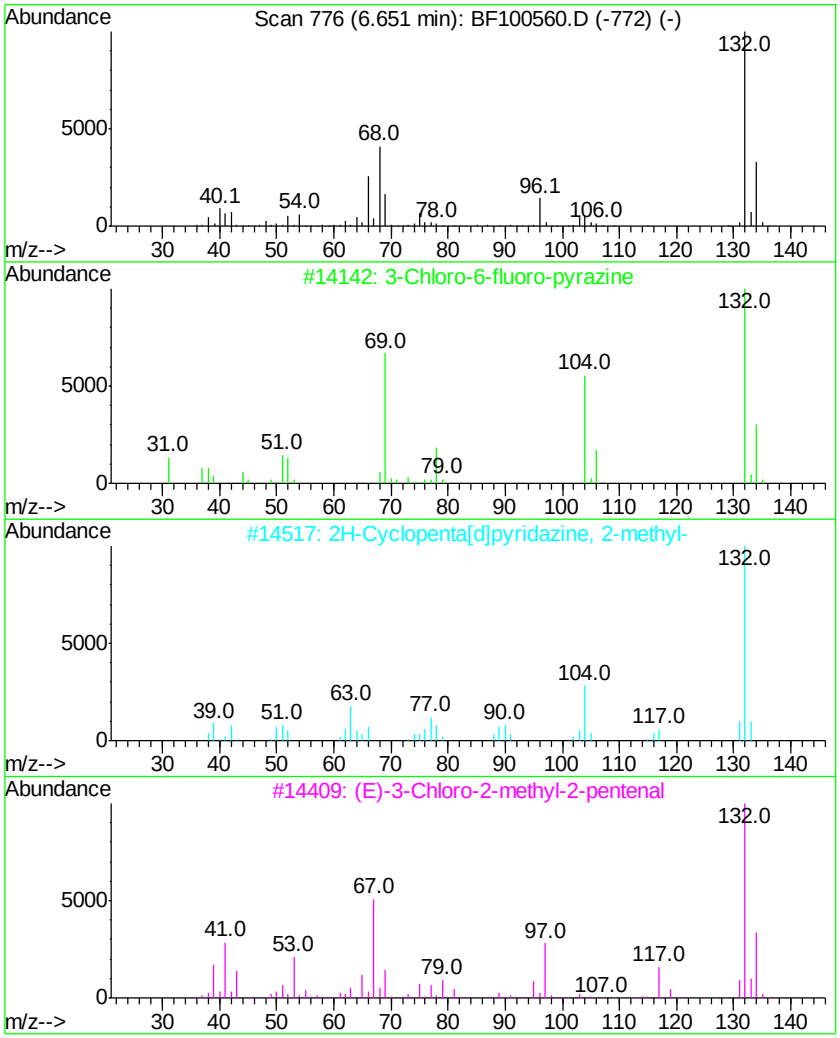
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

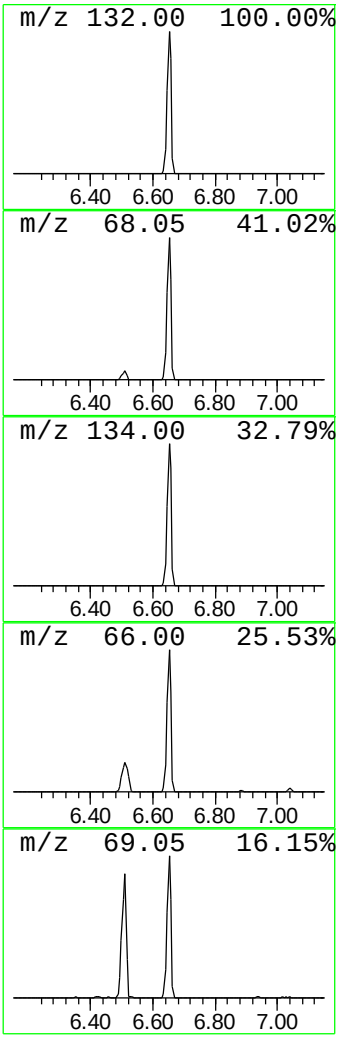
****

Peak Number 2 unknown6.65 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	58.30 ng	2150880	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF111417\
Data File : BF100560.D
Acq On : 14 Nov 2017 23:11
Operator : SJ/JU
Sample : I6441-23
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-7A-7B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

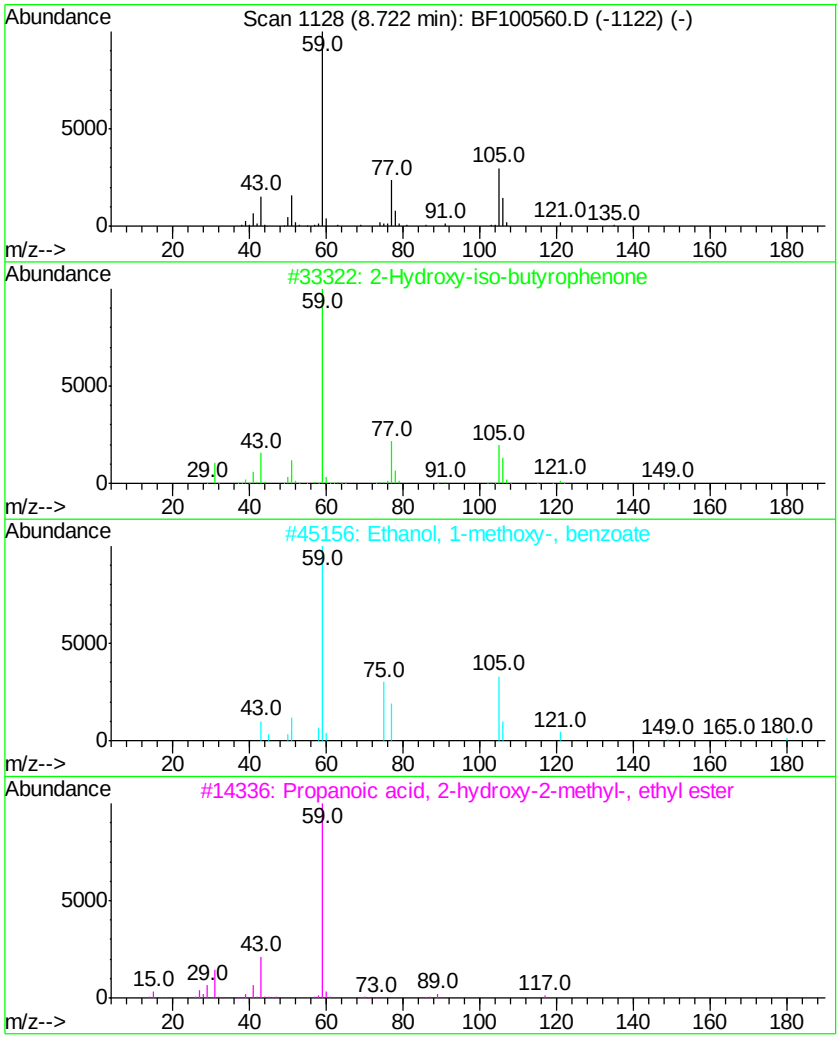
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

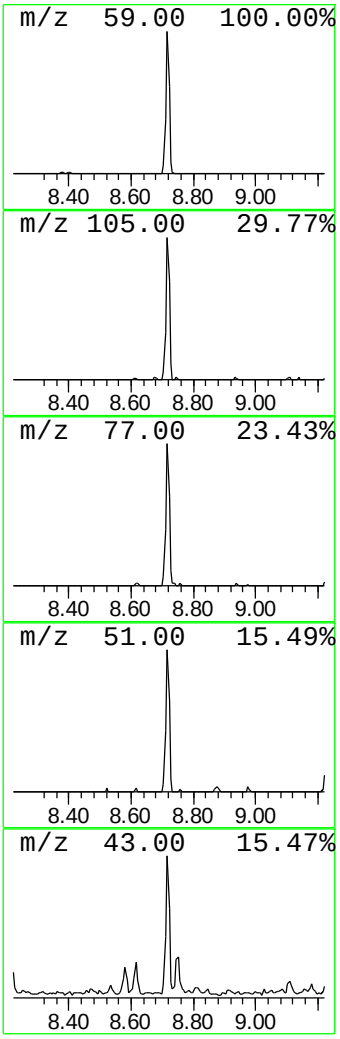
****

Peak Number 4 2-Hydroxy-iso-butyrophenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.72	4.28 ng	188637	Naphthalene-d8	8.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hydroxy-iso-butyrophenone	164	C10H12O2	007473-98-5	86
2	Ethanol, 1-methoxy-, benzoate	180	C10H12O3	051835-44-0	64
3	Propanoic acid, 2-hydroxy-2-meth...	132	C6H12O3	000080-55-7	9
4	Guanidine	59	CH5N3	000113-00-8	7
5	Formamide, N-methyl-	59	C2H5NO	000123-39-7	5





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF111417\
Data File : BF100560.D
Acq On : 14 Nov 2017 23:11
Operator : SJ/JU
Sample : I6441-23
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-7A-7B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

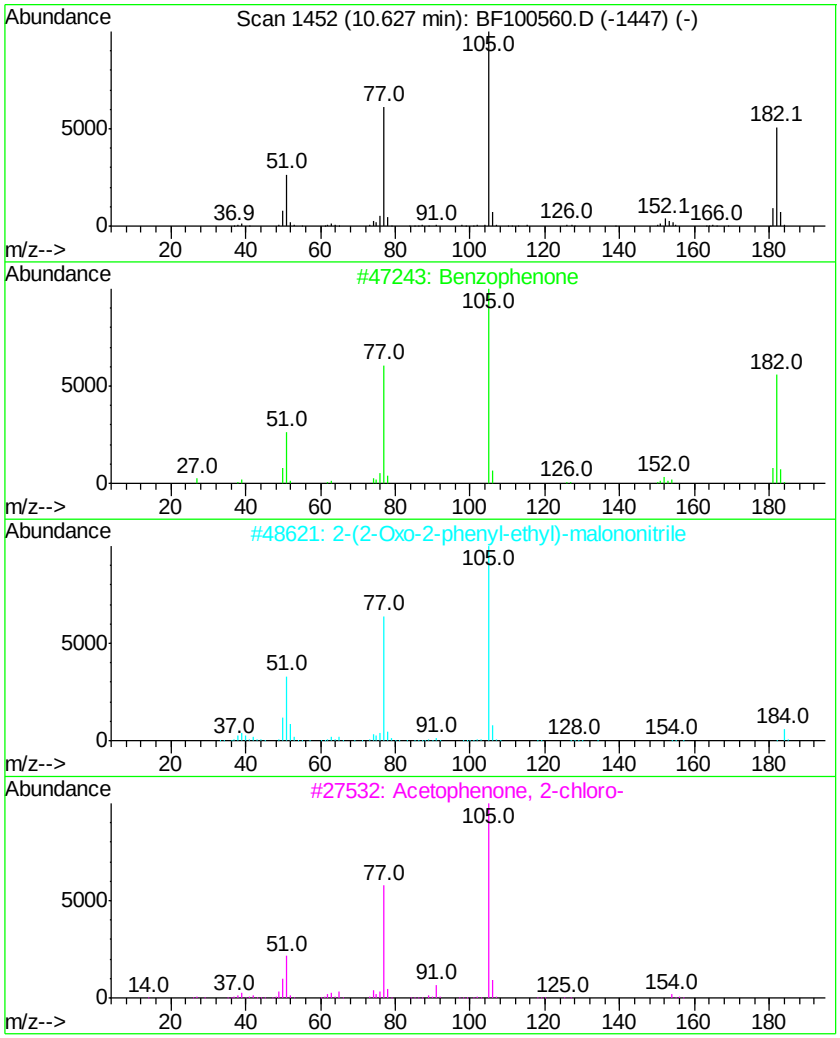
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

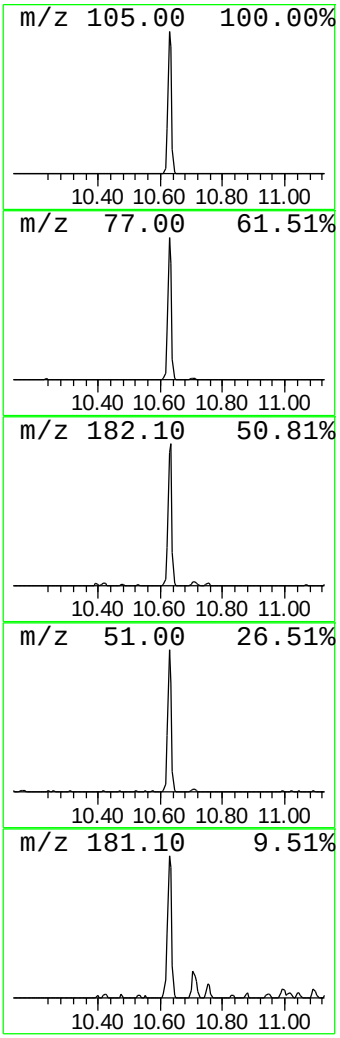
****

Peak Number 5 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.63	11.89 ng	501034	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	47
3	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	47
4	1-Propanone, 3-chloro-1-phenyl-	168	C9H9ClO	000936-59-4	47
5	1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	47





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF111417\
Data File : BF100560.D
Acq On : 14 Nov 2017 23:11
Operator : SJ/JU
Sample : I6441-23
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-7A-7B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

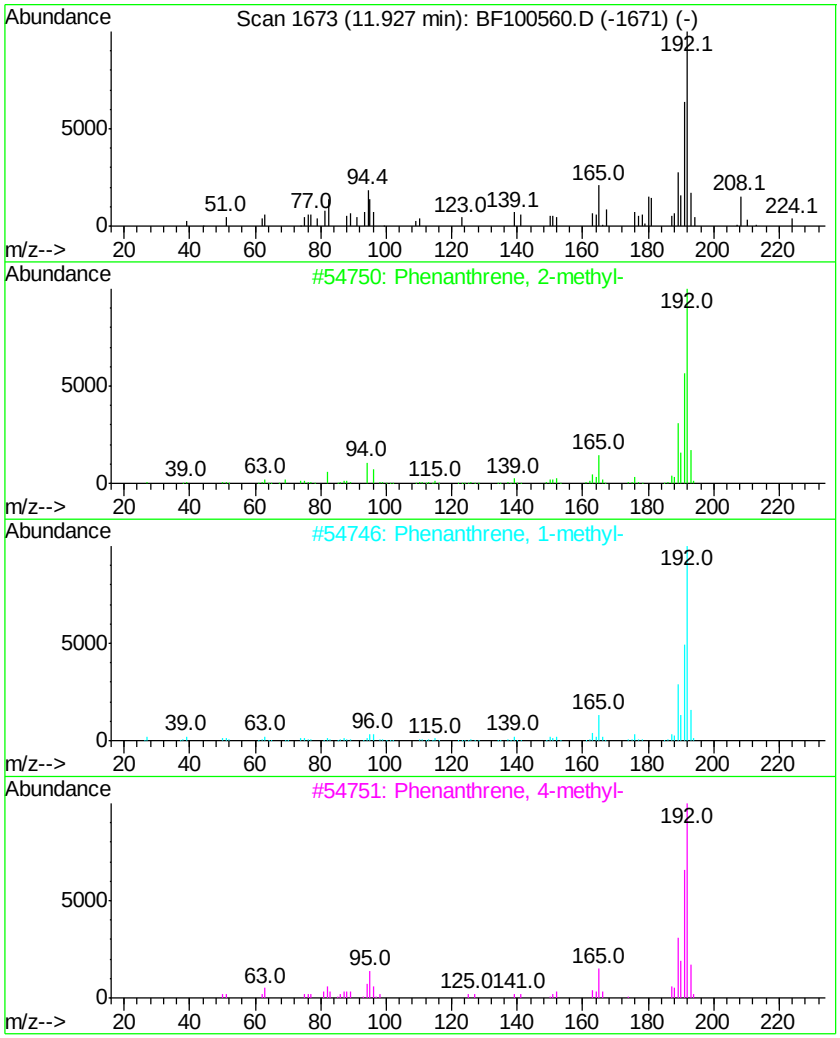
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

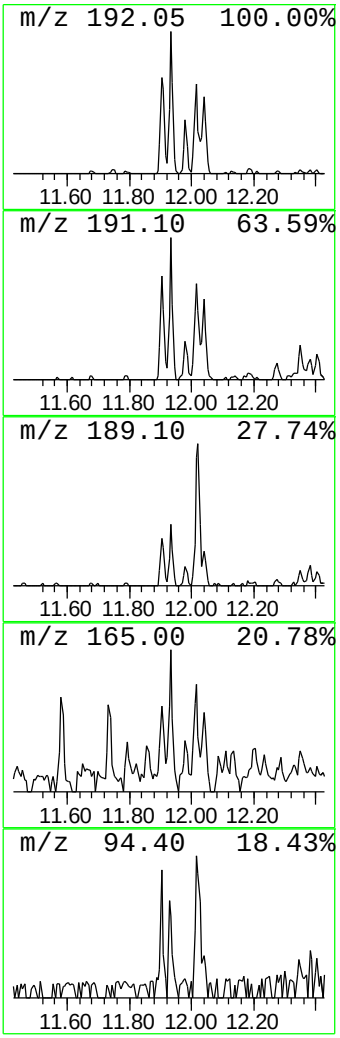
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	2.59 ng	102214	Phenanthrene-d10	11.40

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	96
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF111417\
Data File : BF100560.D
Acq On : 14 Nov 2017 23:11
Operator : SJ/JU
Sample : I6441-23
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-7A-7B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

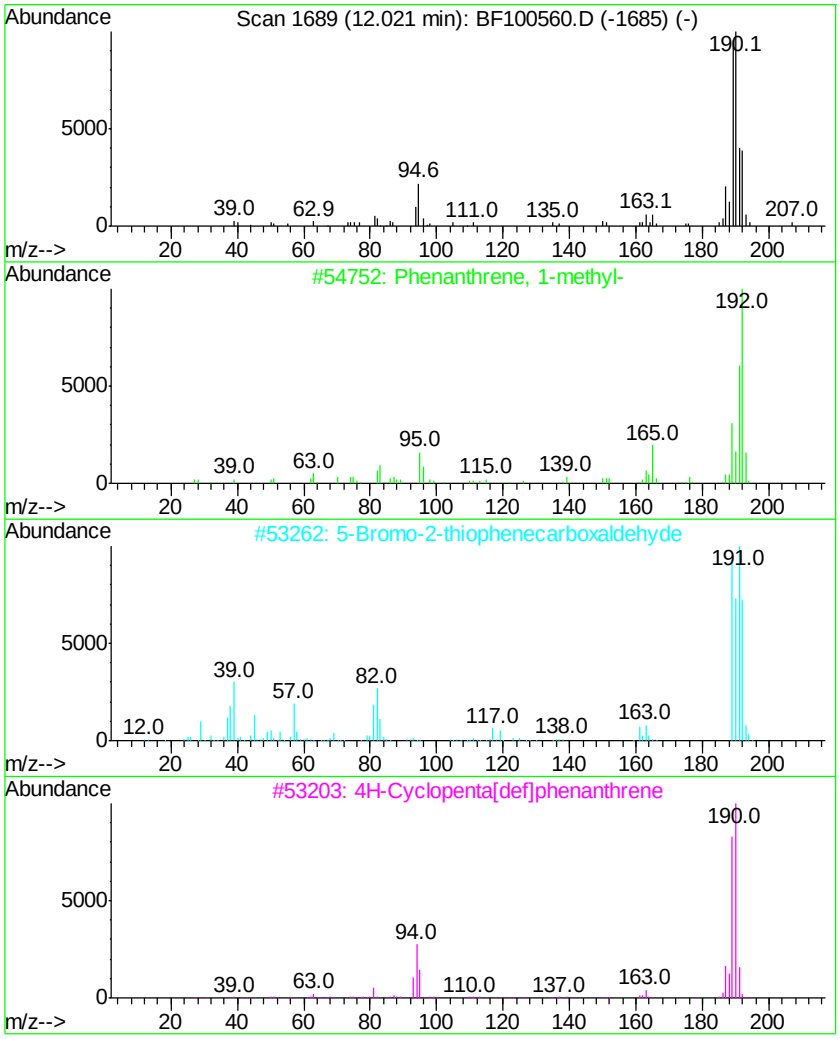
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

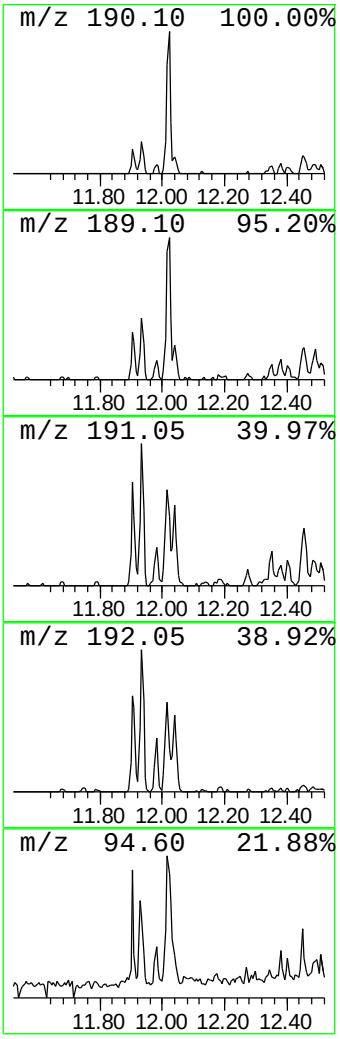
****

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	2.54 ng	100367	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	80
2	5-Bromo-2-thiophenecarboxaldehyde	190	C5H3BrOS	004701-17-1	52
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
4	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	47
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	46





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF111417\
Data File : BF100560.D
Acq On : 14 Nov 2017 23:11
Operator : SJ/JU
Sample : I6441-23
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-7A-7B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

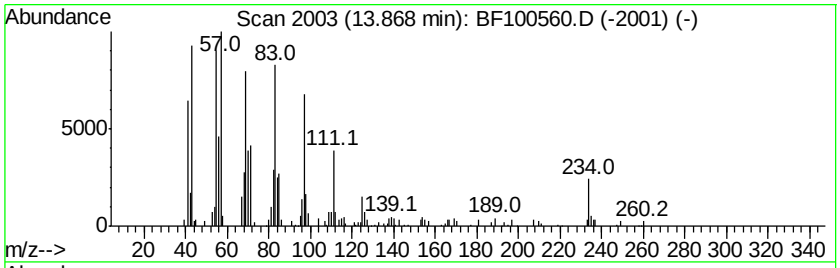
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

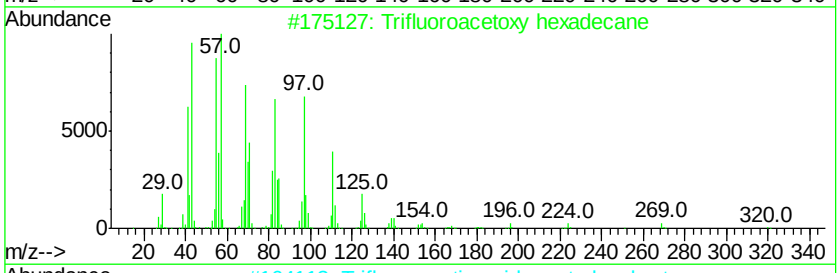
****

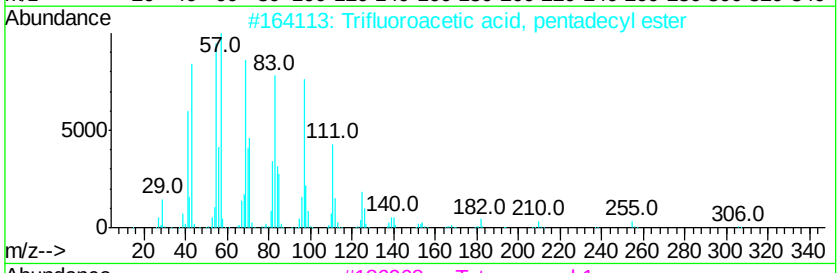
Peak Number 8 Trifluoroacetoxy hexadecane Concentration Rank 7

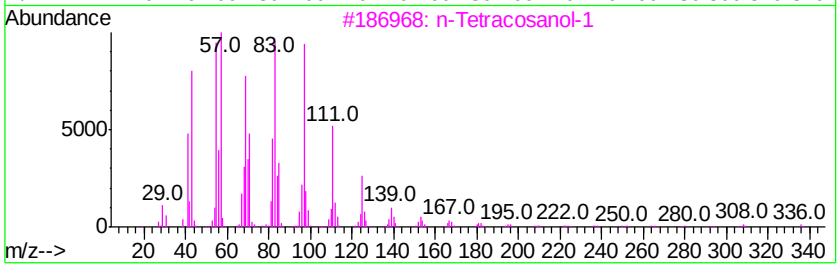
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	4.18 ng	237972	Chrysene-d12	14.04

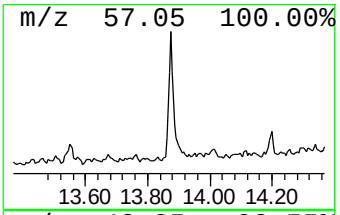
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	94
2	Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	94
3	n-Tetracosanol-1	354	C24H50O	000506-51-4	93
4	3-Eicosene, (E)-	280	C20H40	074685-33-9	91
5	1-Nonadecene	266	C19H38	018435-45-5	90

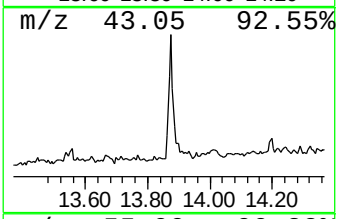


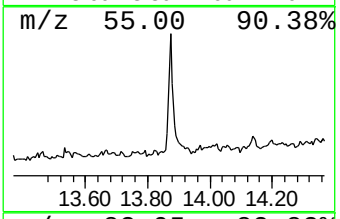


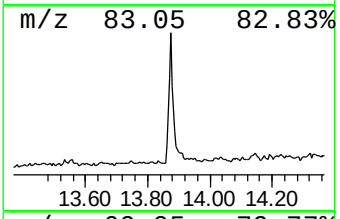


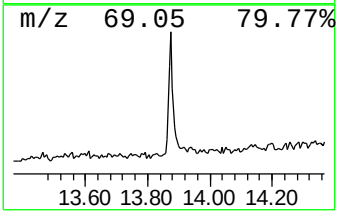












Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF111417\
Data File : BF100560.D
Acq On : 14 Nov 2017 23:11
Operator : SJ/JU
Sample : I6441-23
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-7A-7B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

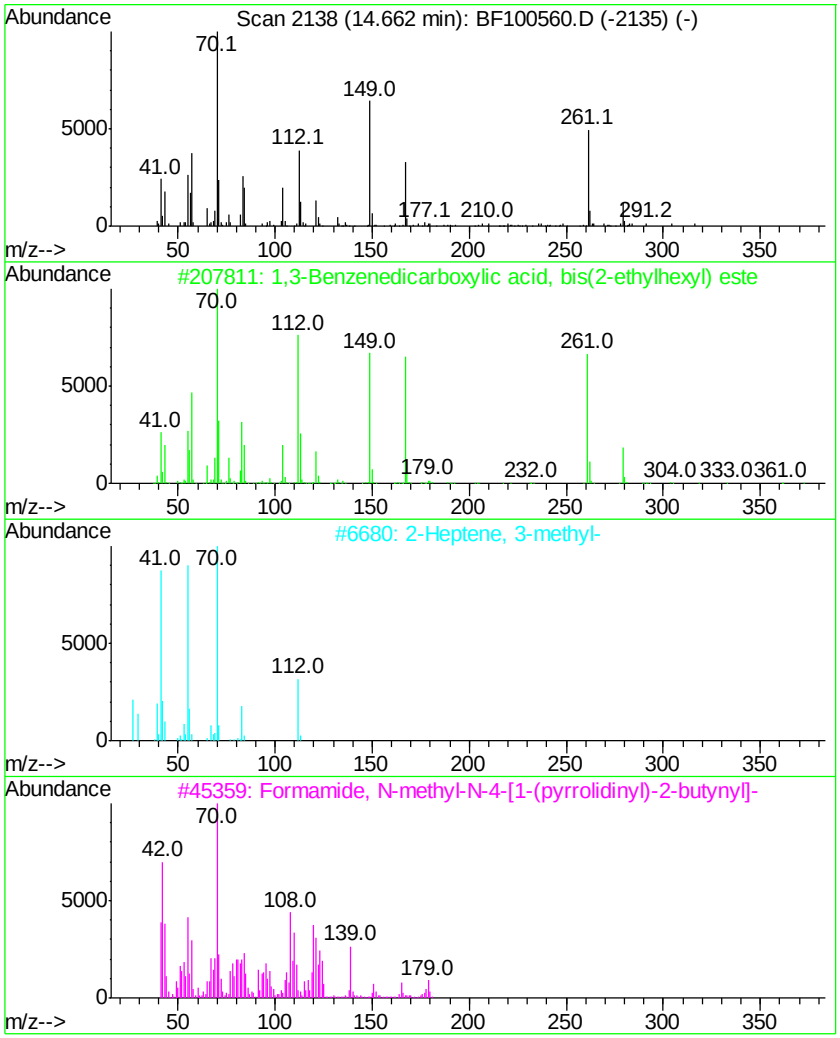
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

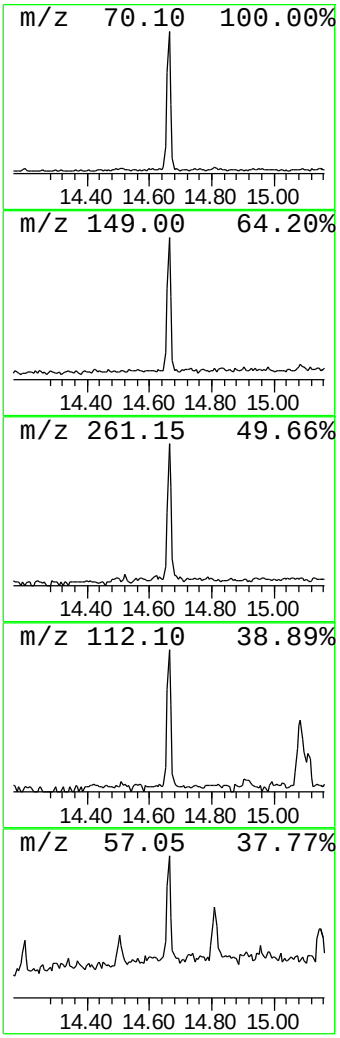
****

Peak Number 9 1,3-Benzenedicarboxylic aci... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.66	2.97 ng	169162	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Benzenedicarboxylic acid, bi...	390	C24H38O4	000137-89-3	52
2	2-Heptene, 3-methyl-	112	C8H16	003404-75-9	27
3	Formamide, N-methyl-N-4-[1-(pyrr...	180	C10H16N2O	018327-40-7	22
4	cis-2,3-Dimethyl-1-(p-nitrobenzo...	220	C11H12N2O3	021383-77-7	18
5	Diisooctyl phthalate	390	C24H38O4	000131-20-4	16





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF111417\
Data File : BF100560.D
Acq On : 14 Nov 2017 23:11
Operator : SJ/JU
Sample : I6441-23
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-7A-7B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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
2-Pentanone, 4-hy...	5.11	12.5	ng	460432	1	6.89	737871	20.0
unknown6.65	6.65	58.3	ng	2150880	1	6.89	737871	20.0
2-Hydroxy-iso-but...	8.72	4.3	ng	188637	2	8.17	881113	20.0
Benzophenone	10.63	11.9	ng	501034	3	9.92	842894	20.0
Phenanthrene, 2-m...	11.93	2.6	ng	102214	4	11.40	790089	20.0
Phenanthrene, 1-m...	12.02	2.5	ng	100367	4	11.40	790089	20.0
Trifluoroacetoxy ...	13.87	4.2	ng	237972	5	14.04	1139240	20.0
1,3-Benzenedicarb...	14.66	3.0	ng	169162	5	14.04	1139240	20.0