LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
Data File : BF111557.D
Acq On : 17 Dec 2018 23:40
Operator : JU/SJ
Sample : J6403-33
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-5-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-BF121418.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	4.993	489	494	502	rBV	112312	147410	6.26%	0.609%
2	5.422	563	567	583	rVB	2536726	2356238	100.00%	9.730%
3	6.434	735	739	757	rBV	2099561	2223384	94.36%	9.181%
4	6.563	757	761	764	rBV	2501377	2064089	87.60%	8.523%
5	6.787	795	799	807	rBV	873349	672978	28.56%	2.779%
6	6.945	822	826	829	rBV	1911650	1558584	66.15%	6.436%
7	7.345	889	894	897	rBV	1395251	1266584	53.75%	5.230%
8	8.069	1013	1017	1020	rBV	1011798	846193	35.91%	3.494%
9	8.781	1134	1138	1144	rVB	26244	25434	1.08%	0.105%
10	9.145	1196	1200	1203	rBV	2604278	2058444	87.36%	8.500%
11	9.239	1212	1216	1221	rVB4	15646	25049	1.06%	0.103%
12	9.410	1239	1245	1249	rBV3	19835	25303	1.07%	0.104%
13	9.480	1254	1257	1260	rBV	30026	32343	1.37%	0.134%
14	9.539	1264	1267	1271	rVB	255052	226970	9.63%	0.937%
15	9.822	1309	1315	1318	rBV	1036010	906330	38.47%	3.743%
16	9.857	1318	1321	1324	rVB	334216	296577	12.59%	1.225%
17	10.027	1347	1350	1355	rBV	91046	81819	3.47%	0.338%
18	10.369	1405	1408	1414	rBV	179774	159298	6.76%	0.658%
19	10.610	1445	1449	1456	rBV	1299602	1128233	47.88%	4.659%
20	10.733	1467	1470	1476	rVB3	32503	40664	1.73%	0.168%
21	10.922	1494	1502	1504	rBV5	20145	28932	1.23%	0.119%
22	11.204	1548	1550	1555	rVB2	42930	42778	1.82%	0.177%
23	11.310	1564	1568	1570	rBV	773920	801517	34.02%	3.310%
24	11.327	1570	1571	1575	rVV	564399	444507	18.87%	1.836%
25	11.380	1578	1580	1584	rVB	121462	99704	4.23%	0.412%
26	11.539	1602	1607	1610	rBV2	41593	52341	2.22%	0.216%
27	11.810	1649	1653	1655	rBV2	57756	51510	2.19%	0.213%
28	11.839	1655	1658	1663	rBV	274366	255006	10.82%	1.053%
29	11.921	1669	1672	1674	rBV	99177	99317	4.22%	0.410%
30	12.104	1700	1703	1705	rBV	46589	35522	1.51%	0.147%
31	12.251	1724	1728	1731	rBV4	27205	29777	1.26%	0.123%
32	12.357	1743	1746	1749	rBV2	42606	45080	1.91%	0.186%
33	12.398	1750	1753	1758	rVB6	33537	42140	1.79%	0.174%
34	12.445	1758	1761	1765	rBV4	22514	26090	1.11%	0.108%

LSC Area Percent Report

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Sample : J6403-33
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-5-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-BF121418.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.516	1770	1773	1777	rBV	547514	536017	22.75%	2.213%
36	12.563	1778	1781	1783	rVB3	40926	37274	1.58%	0.154%
37	12.621	1788	1791	1795	rBV3	50646	59631	2.53%	0.246%
38	12.745	1806	1812	1815	rBV	484828	503917	21.39%	2.081%
39	12.792	1818	1820	1825	rVB2	32216	39037	1.66%	0.161%
40	12.892	1833	1837	1844	rVB	1589760	1389376	58.97%	5.737%
41	12.963	1845	1849	1853	rBV3	30351	48418	2.05%	0.200%
42	13.051	1857	1864	1865	rBV6	30103	49978	2.12%	0.206%
43	13.074	1865	1868	1871	rVB	77070	67881	2.88%	0.280%
44	13.139	1875	1879	1882	rVB2	57604	64557	2.74%	0.267%
45	13.180	1882	1886	1888	rBV	55347	56990	2.42%	0.235%
46	13.274	1898	1902	1904	rBV	27091	29985	1.27%	0.124%
47	13.304	1904	1907	1910	rBV2	25507	28756	1.22%	0.119%
48	13.468	1933	1935	1938	rVB2	27953	25871	1.10%	0.107%
49	13.580	1952	1954	1959	rVB	33162	39891	1.69%	0.165%
50	13.692	1970	1973	1975	rBV2	33668	32767	1.39%	0.135%
51	13.792	1987	1990	1996	rVB2	178879	211221	8.96%	0.872%
52	13.945	2008	2016	2018	rBV2	720717	928782	39.42%	3.835%
53	13.968	2018	2020	2029	rVB	247306	228303	9.69%	0.943%
54	14.051	2031	2034	2036	rVB	48042	38074	1.62%	0.157%
55	14.115	2042	2045	2047	rBV2	51441	45257	1.92%	0.187%
56	14.327	2079	2081	2085	rVB	39020	34808	1.48%	0.144%
57	14.421	2094	2097	2100	rVB3	69039	67560	2.87%	0.279%
58	14.721	2145	2148	2150	rBV	37889	37476	1.59%	0.155%
59	14.792	2158	2160	2162	rBV3	32358	25834	1.10%	0.107%
60	14.968	2186	2190	2193	rBV	201894	283730	12.04%	1.172%
61	15.045	2201	2203	2206	rBV	40911	43090	1.83%	0.178%
62	15.262	2236	2240	2246	rVB	110465	143479	6.09%	0.592%
63	15.321	2246	2250	2256	rBV	161044	198559	8.43%	0.820%
64	15.386	2256	2261	2264	rBV	419213	544814	23.12%	2.250%
65	16.792	2496	2500	2510	rVB2	56562	119288	5.06%	0.493%
66	17.215	2569	2572	2578	rVB2	34529	59922	2.54%	0.247%

Sum of corrected areas: 24216688

LSC Report - Integrated Chromatogram

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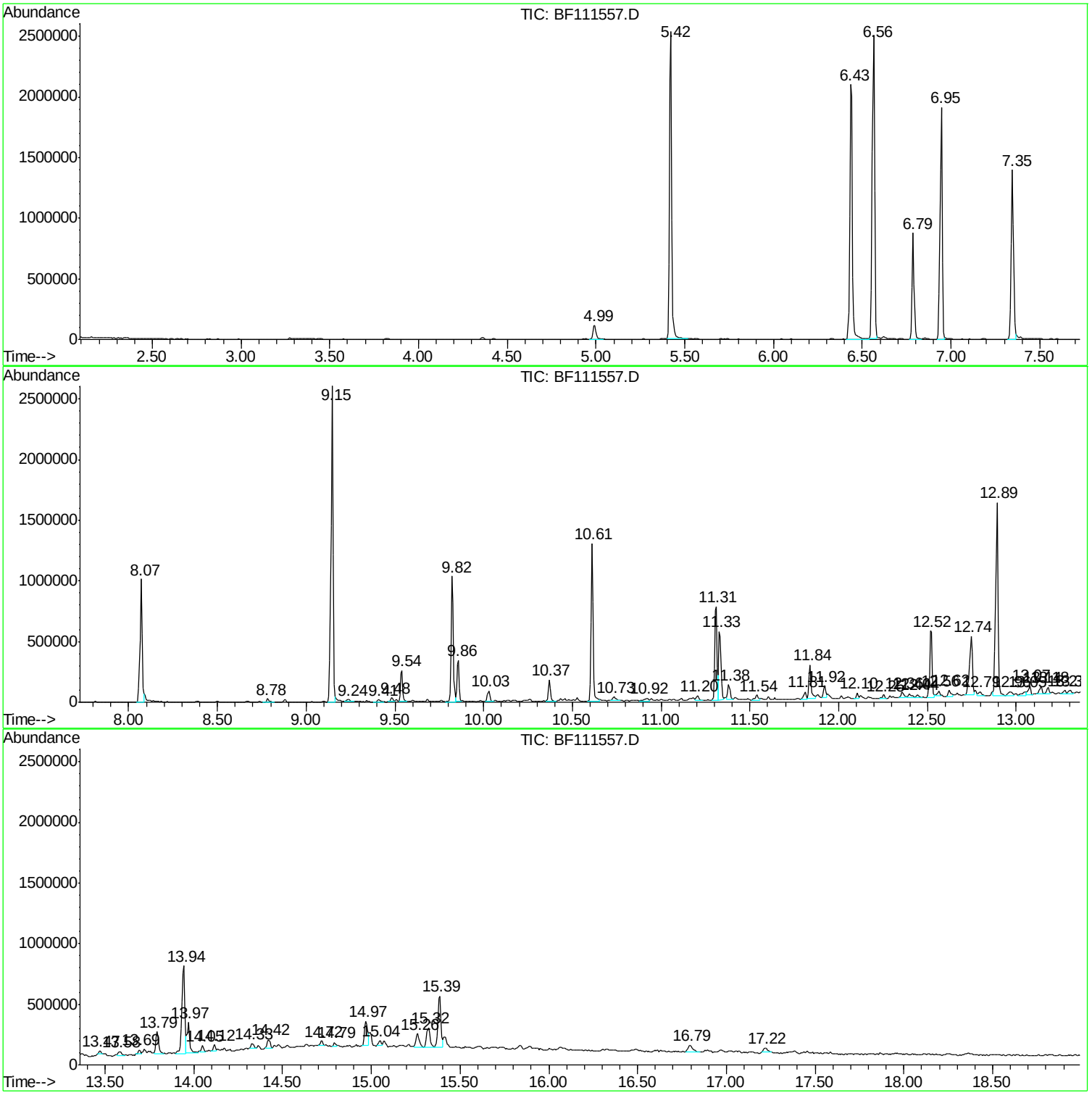
Operator : JU/SJ
Sample : J6403-33
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-5-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.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\BF121718\
Data File : BF111557.D
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Operator : JU/SJ
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

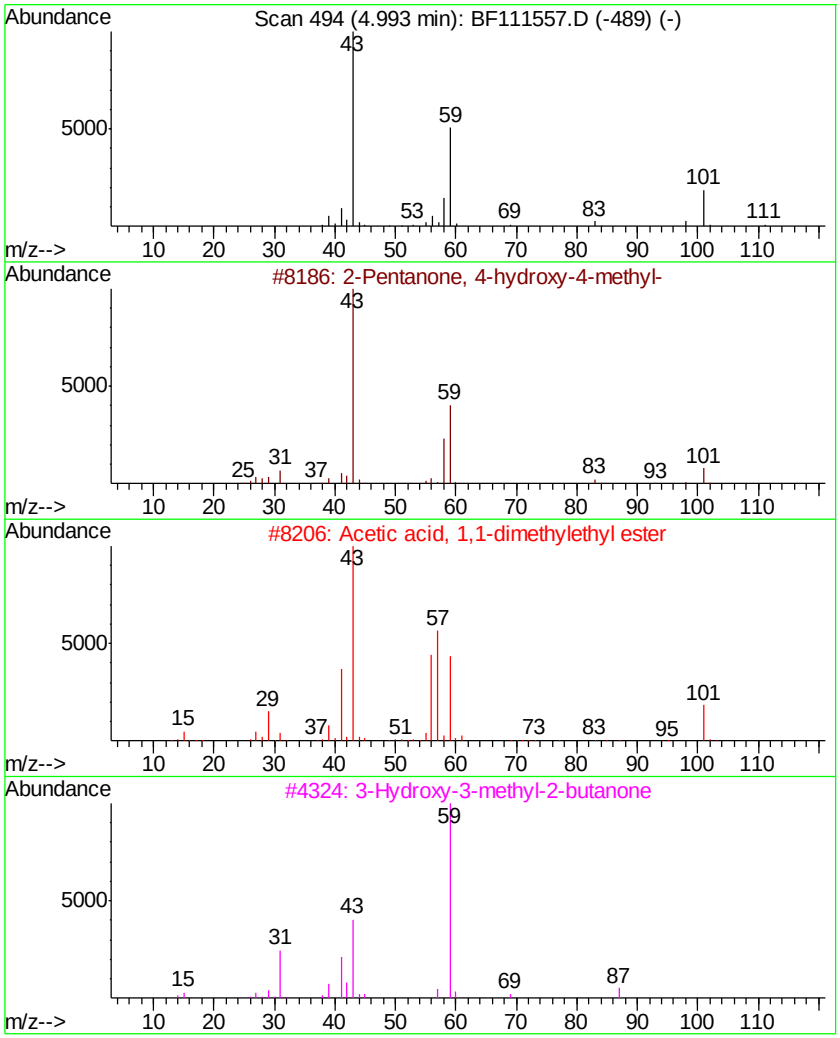
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

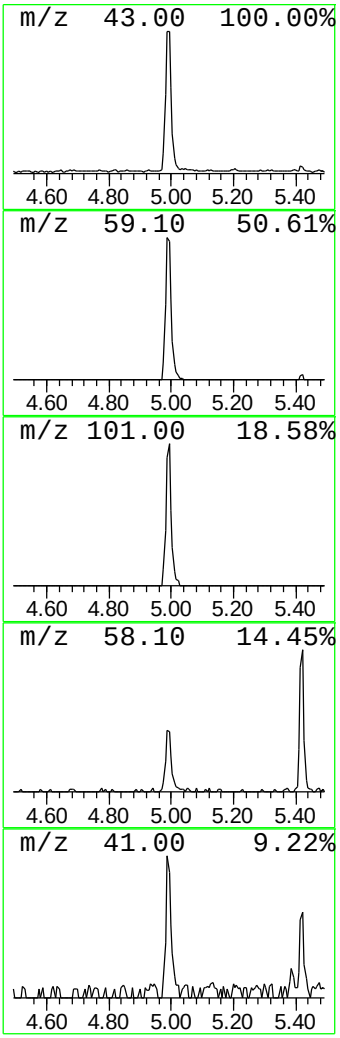
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.99	4.38 ng	147410	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
3	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	17
4	1,2-Butanediol	90	C4H10O2	000584-03-2	9
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
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Acq On : 17 Dec 2018 23:40
Operator : JU/SJ
Sample : J6403-33
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-5-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

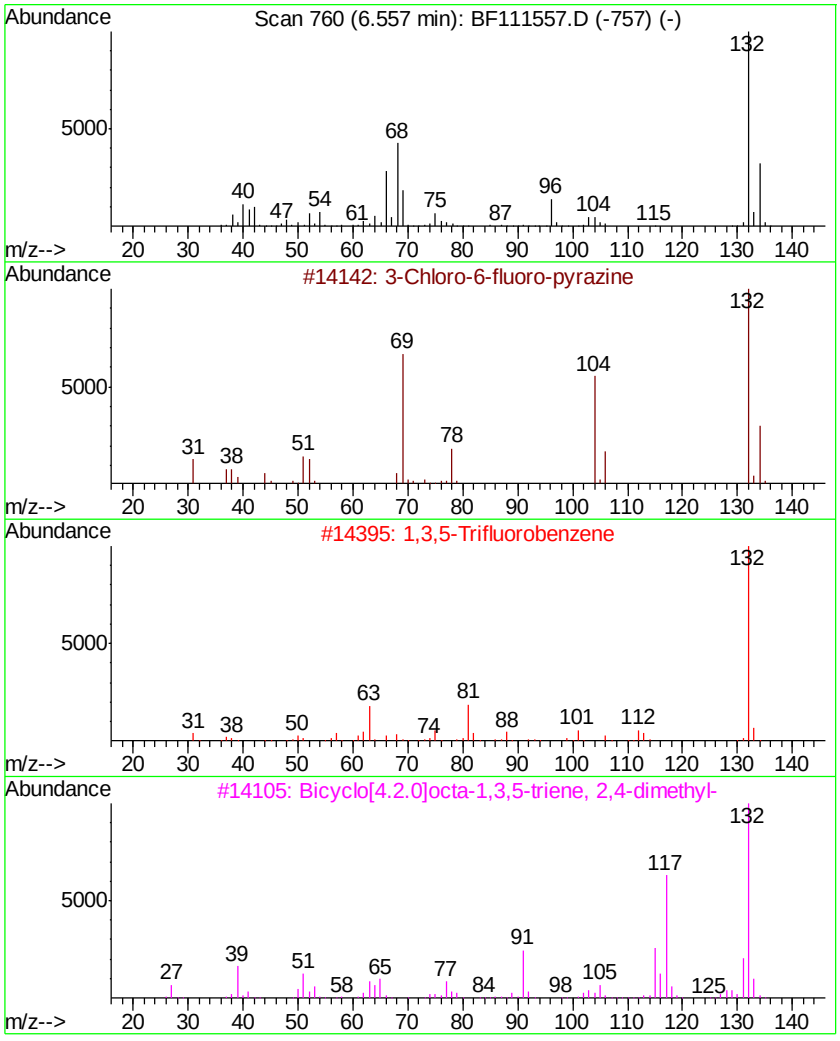
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

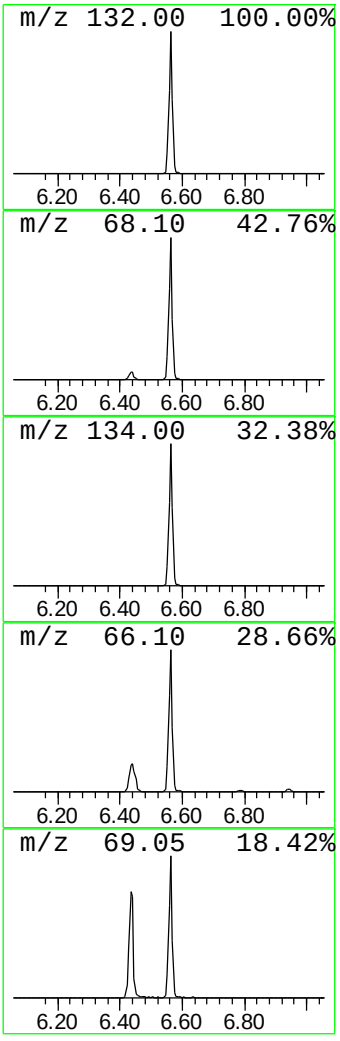
****

Peak Number 2 unknown6.56 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	61.34 ng	2064090	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





Library Search Compound Report

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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-5-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
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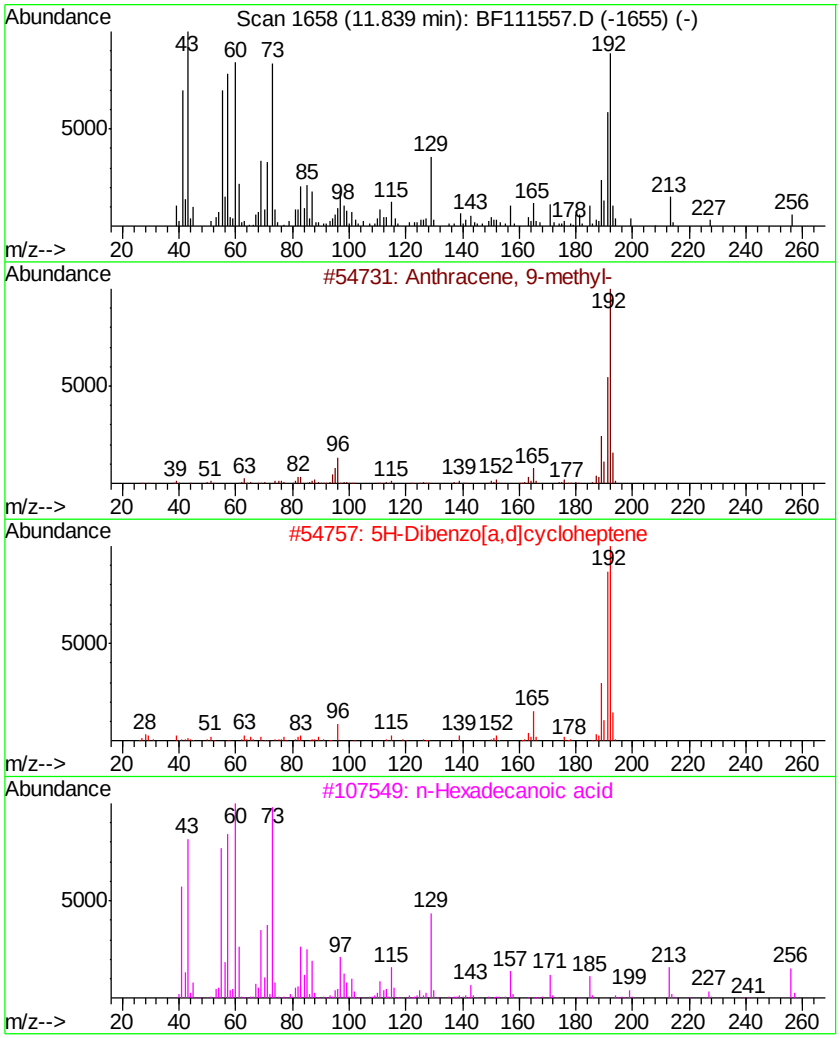
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

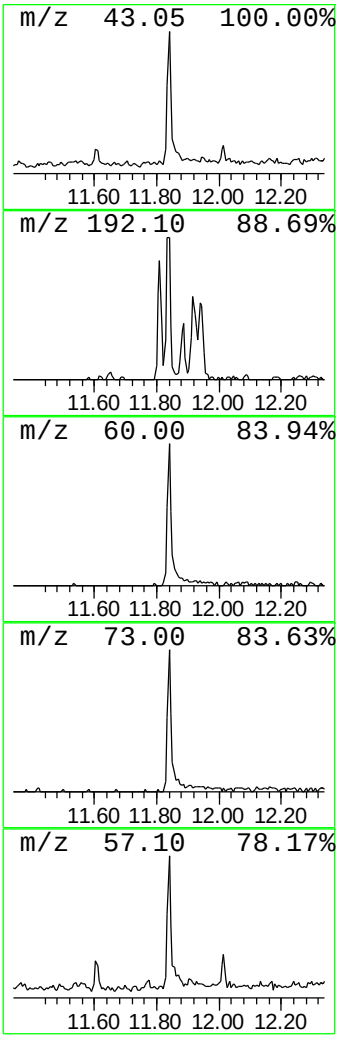
****

Peak Number 4 Anthracene, 9-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	6.36 ng	255006	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	74
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	74
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	64
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	51
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	50





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : TP-5-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

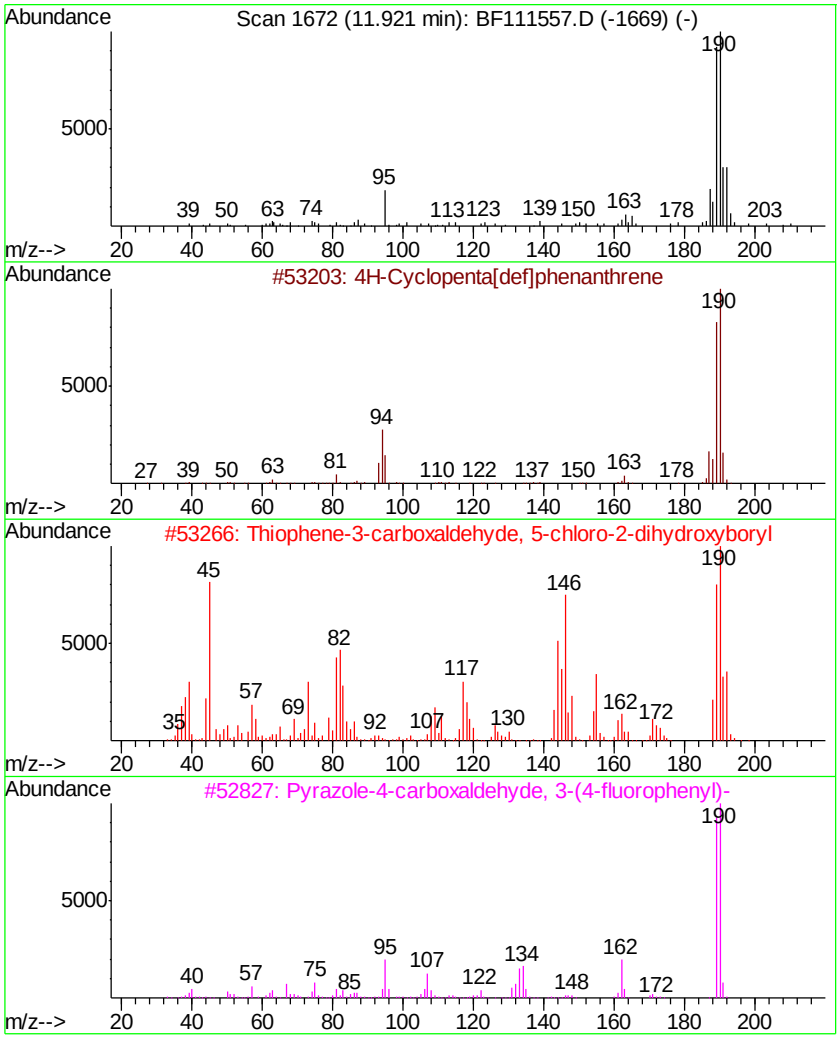
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

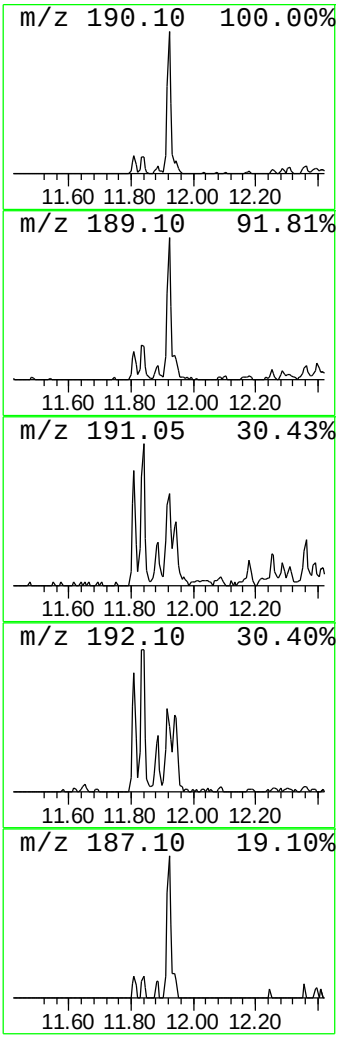
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	2.48 ng	99317	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	64
3	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	53
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	53
5	4-(4-Chlorophenyl)pyridine	189	C11H8ClN	005957-96-0	17





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Misc :
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Instrument : BNA_F
ClientSampleId : TP-5-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

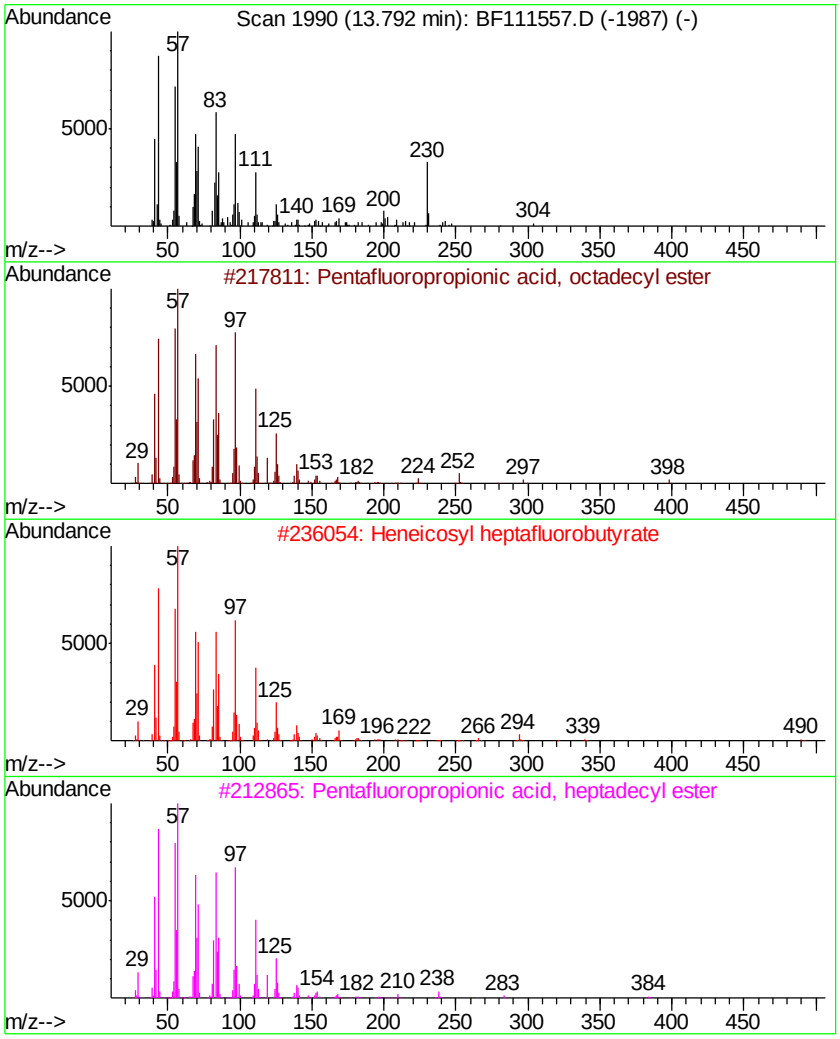
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

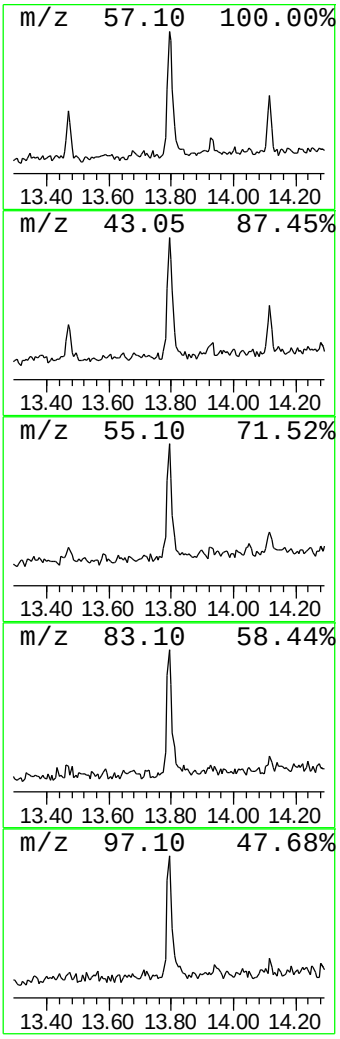
****

Peak Number 6 Pentafluoropropionic acid, ... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	4.55 ng	211221	Chrysene-d12	13.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentafluoropropionic acid, octad...	416	C21H37F5O2	959261-25-7	90
2	Heneicosyl heptafluorobutyrate	508	C25H43F7O2	1000351-83-8	90
3	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	90
4	Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	90
5	Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	87





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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

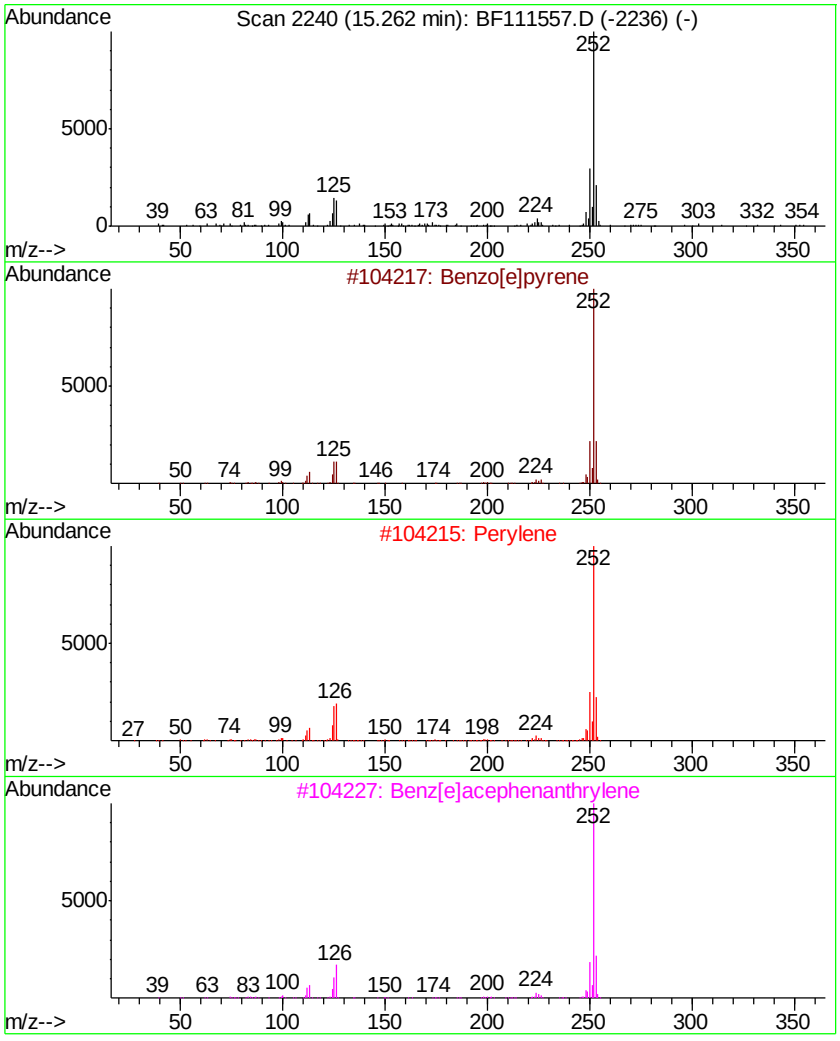
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

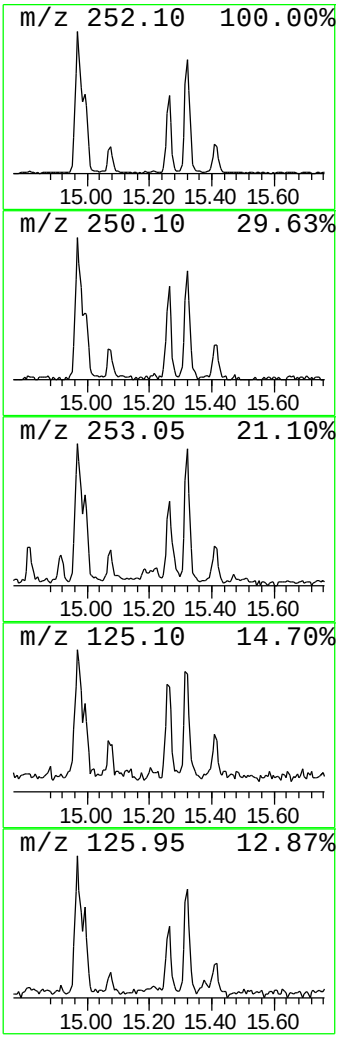
****

Peak Number 7 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.26	5.27 ng	143479	Perylene-d12	15.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Perylene	252	C20H12	000198-55-0	98
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
5	Benzo[a]pyrene	252	C20H12	000050-32-8	96





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121718\
Data File : BF111557.D
Acq On : 17 Dec 2018 23:40
Operator : JU/SJ
Sample : J6403-33
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-5-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.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...	4.99	4.4	ng	147410	1	6.79	672978	20.0
unknown6.56	6.56	61.3	ng	2064090	1	6.79	672978	20.0
Anthracene, 9-met...	11.84	6.4	ng	255006	4	11.31	801517	20.0
4H-Cyclopenta[def...	11.92	2.5	ng	99317	4	11.31	801517	20.0
Pentafluoropropio...	13.79	4.5	ng	211221	5	13.94	928782	20.0
Benzo[e]pyrene	15.26	5.3	ng	143479	6	15.39	544814	20.0