LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
Data File : BP000865.D
Acq On : 18 Oct 2019 03:53
Operator : JU
Sample : K5355-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : COMP-33

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_P\METHODS\8270-BP100119.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	4.952	484	487	494	rBV	97830	114611	3.22%	0.265%
2	5.375	555	559	581	rVB	2992394	2718859	76.32%	6.290%
3	6.393	728	732	750	rBV	3143327	2914360	81.80%	6.742%
4	6.522	750	754	757	rBV	3675745	3013640	84.59%	6.972%
5	6.746	789	792	801	rBV	1181370	1047398	29.40%	2.423%
6	6.905	815	819	822	rBV	3173825	2522474	70.80%	5.836%
7	7.311	884	888	891	rBV	2216971	1750514	49.14%	4.050%
8	8.034	1007	1011	1013	rBV	1485400	1283305	36.02%	2.969%
9	8.052	1013	1014	1017	rVB	74023	49365	1.39%	0.114%
10	8.463	1081	1084	1086	rBV	55361	46483	1.30%	0.108%
11	9.069	1183	1187	1191	rBV	81198	76803	2.16%	0.178%
12	9.116	1191	1195	1198	rBV	4018557	3517608	98.74%	8.138%
13	9.205	1206	1210	1214	rBV5	40350	70182	1.97%	0.162%
14	9.387	1236	1241	1244	rBV	45575	71172	2.00%	0.165%
15	9.452	1250	1252	1255	rBV	62188	57684	1.62%	0.133%
16	9.481	1255	1257	1259	rVV	57746	39630	1.11%	0.092%
17	9.511	1259	1262	1267	rVV	484027	465953	13.08%	1.078%
18	9.569	1270	1272	1277	rVB2	38637	49926	1.40%	0.116%
19	9.658	1284	1287	1292	rBV	88102	90065	2.53%	0.208%
20	9.710	1293	1296	1298	rVB	46108	38748	1.09%	0.090%
21	9.799	1304	1311	1314	rBV	1667557	1567135	43.99%	3.626%
22	9.828	1314	1316	1320	rVB	94407	92133	2.59%	0.213%
23	9.905	1326	1329	1333	rVB	47640	61515	1.73%	0.142%
24	9.999	1342	1345	1349	rBV	107324	102596	2.88%	0.237%
25	10.116	1362	1365	1368	rBV	74544	75936	2.13%	0.176%
26	10.210	1377	1381	1382	rBV2	54704	55304	1.55%	0.128%
27	10.346	1401	1404	1407	rBV2	109474	106840	3.00%	0.247%
28	10.463	1421	1424	1429	rVV	107245	97732	2.74%	0.226%
29	10.505	1429	1431	1436	rVB3	51225	71270	2.00%	0.165%
30	10.593	1442	1446	1450	rBV	2396356	2065928	57.99%	4.779%
31	10.728	1464	1469	1475	rVB2	181412	231960	6.51%	0.537%
32	10.928	1501	1503	1507	rBV2	49553	56174	1.58%	0.130%
33	11.099	1530	1532	1536	rVB2	49976	42646	1.20%	0.099%
34	11.199	1545	1549	1553	rVB2	107550	149164	4.19%	0.345%

LSC Area Percent Report

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Sample : K5355-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : COMP-33

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 >
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Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.293	1562	1565	1567	rBV	1788872	1504039	42.22%	3.480%
36	11.316	1567	1569	1573	rVV	909873	732210	20.55%	1.694%
37	11.369	1574	1578	1582	rVB	443140	389878	10.94%	0.902%
38	11.410	1582	1585	1588	rBV	43200	51437	1.44%	0.119%
39	11.528	1603	1605	1608	rBV	75949	63970	1.80%	0.148%
40	11.804	1649	1652	1654	rBV	142835	116573	3.27%	0.270%
41	11.834	1654	1657	1661	rVV	221373	207720	5.83%	0.481%
42	11.881	1662	1665	1667	rVV2	75720	74577	2.09%	0.173%
43	11.916	1667	1671	1673	rVV	261182	276954	7.77%	0.641%
44	11.940	1673	1675	1680	rVB	121173	111992	3.14%	0.259%
45	12.099	1699	1702	1705	rBV	95088	93135	2.61%	0.215%
46	12.128	1705	1707	1711	rVB2	67461	66253	1.86%	0.153%
47	12.252	1726	1728	1731	rVB	52745	45023	1.26%	0.104%
48	12.287	1731	1734	1736	rBV	56883	54576	1.53%	0.126%
49	12.363	1744	1747	1749	rBV	118139	116553	3.27%	0.270%
50	12.399	1750	1753	1758	rVB3	73169	130774	3.67%	0.303%
51	12.446	1758	1761	1765	rBV3	87542	96848	2.72%	0.224%
52	12.522	1770	1774	1778	rBV	1575696	1320157	37.06%	3.054%
53	12.569	1779	1782	1784	rBV2	64376	62285	1.75%	0.144%
54	12.752	1808	1813	1816	rBV	1269424	1367764	38.39%	3.164%
55	12.781	1816	1818	1820	rVB3	58322	48803	1.37%	0.113%
56	12.875	1832	1834	1835	rBV	65132	51774	1.45%	0.120%
57	12.904	1835	1839	1842	rVV	3705900	3562640	100.00%	8.242%
58	12.975	1848	1851	1855	rBV2	80799	124275	3.49%	0.288%
59	13.063	1864	1866	1868	rBV2	64036	78464	2.20%	0.182%
60	13.087	1868	1870	1873	rVB	239810	203645	5.72%	0.471%
61	13.157	1879	1882	1884	rVB	143266	132765	3.73%	0.307%
62	13.193	1885	1888	1891	rBV	154402	159654	4.48%	0.369%
63	13.287	1902	1904	1907	rVB	91989	71748	2.01%	0.166%
64	13.316	1907	1909	1913	rBV	92568	98200	2.76%	0.227%
65	13.604	1956	1958	1962	rVB	111225	110838	3.11%	0.256%
66	13.716	1975	1977	1979	rBV2	93766	69287	1.94%	0.160%
67	13.746	1979	1982	1984	rVB	101213	89011	2.50%	0.206%
68	13.769	1984	1986	1987	rBV	81779	62324	1.75%	0.144%
69	13.822	1992	1995	2002	rVV2	360515	457216	12.83%	1.058%
70	13.969	2015	2020	2023	rBV2	1821638	2266612	63.62%	5.244%
71	13.998	2023	2025	2028	rVB	601353	467118	13.11%	1.081%

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72	15.028	2196	2200	2203	rBV	615115	931927	26.16%	2.156%
73	15.328	2248	2251	2257	rVB	373255	475819	13.36%	1.101%
74	15.393	2258	2262	2267	rBV	551805	714374	20.05%	1.653%
75	15.457	2268	2273	2276	rBV	1126244	1450940	40.73%	3.357%

Sum of corrected areas: 43225265

LSC Report - Integrated Chromatogram

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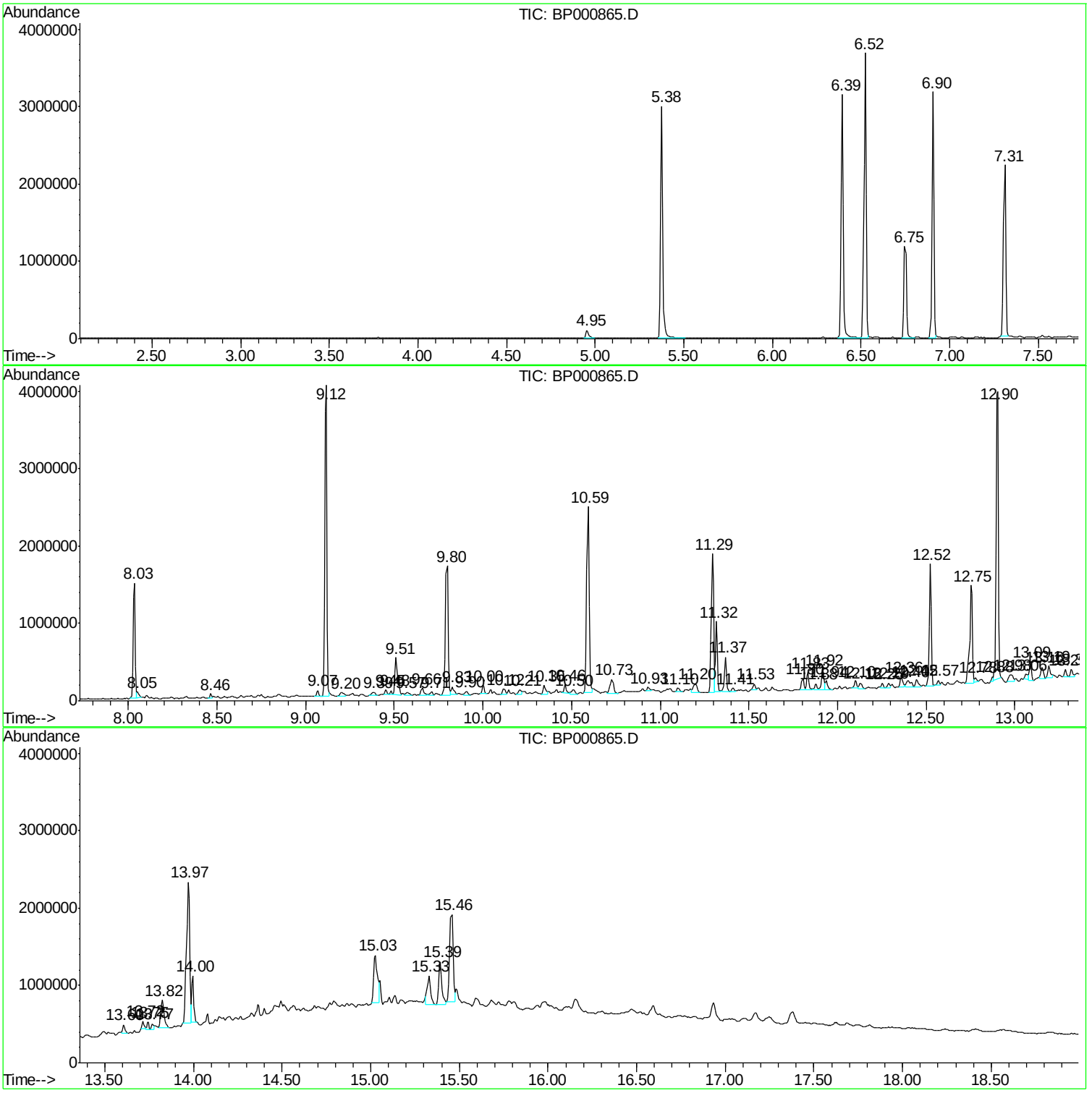
Sample : K5355-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
COMP-33

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.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 P\DATA\BP101819\
Data File : BP000865.D
Acq On : 18 Oct 2019 03:53
Operator : JU
Sample : K5355-04
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ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : COMP-33

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

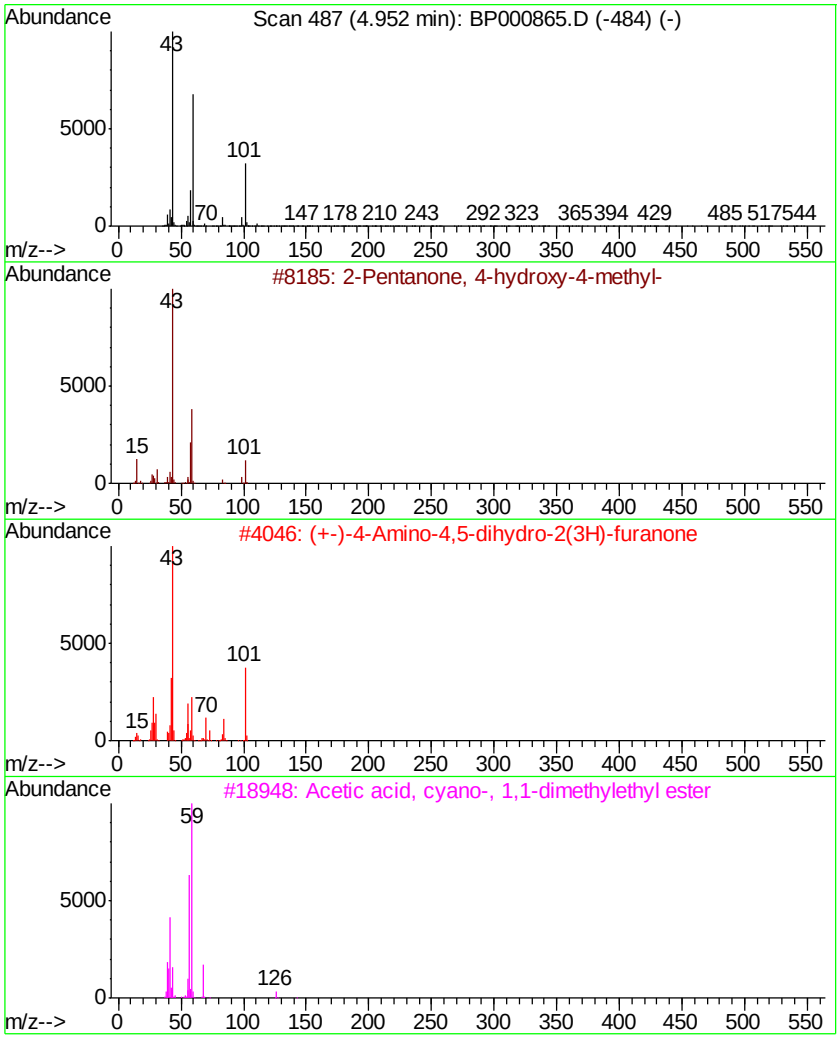
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

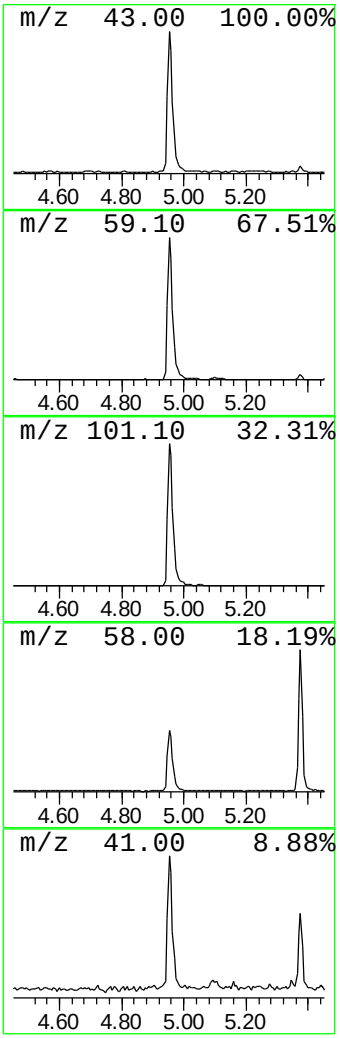
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.95	2.19 ng	114611	1,4-Dichlorobenzene-d4	6.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	37
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





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ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : COMP-33

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

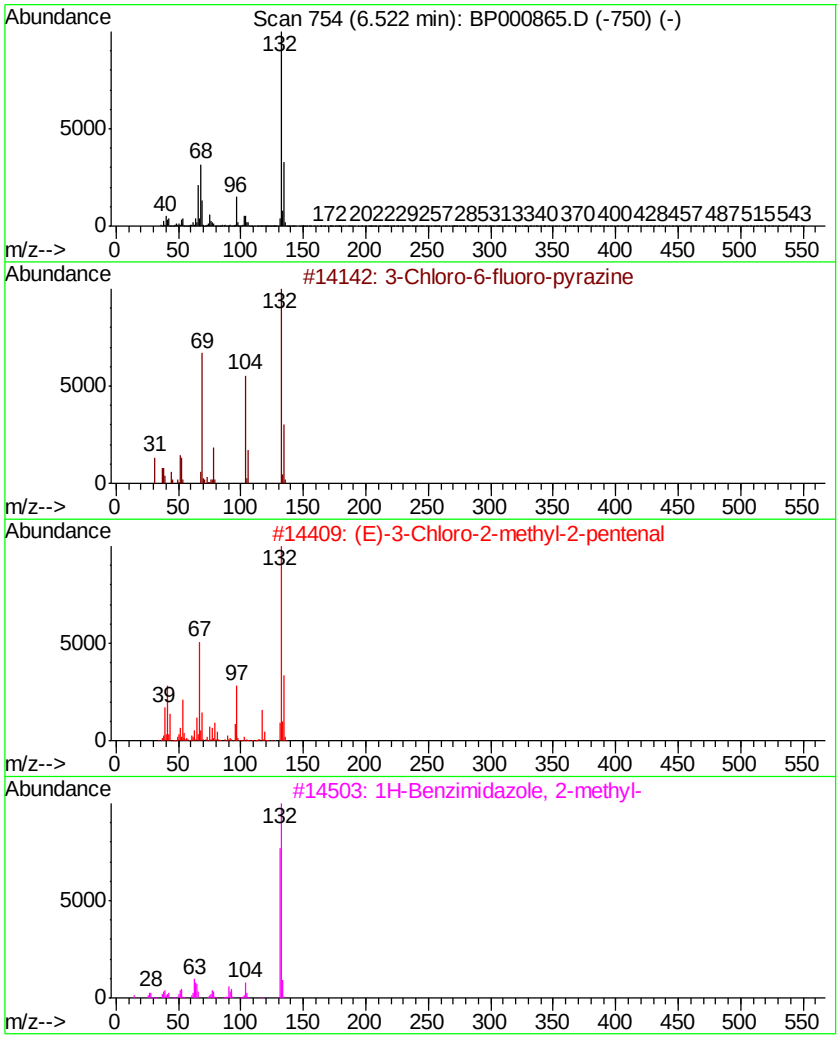
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

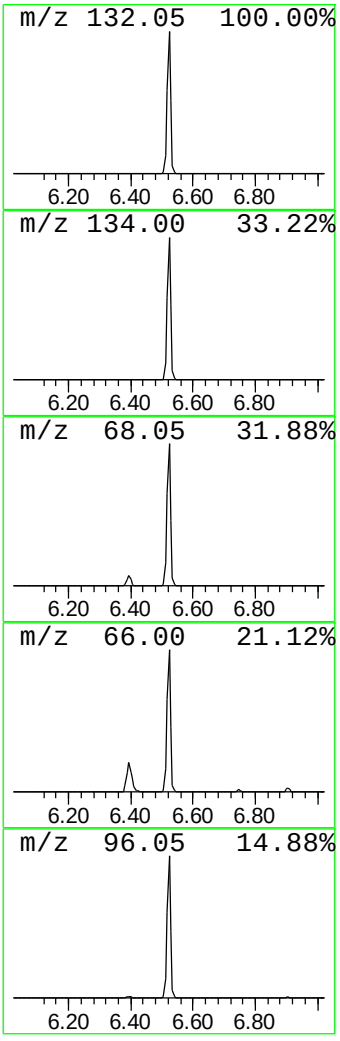
****

Peak Number 2 unknown6.52 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.52	57.55 ng	3013640	1,4-Dichlorobenzene-d4	6.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	12
4	(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





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TIC Library : C:\DATABASE\NIST11.L
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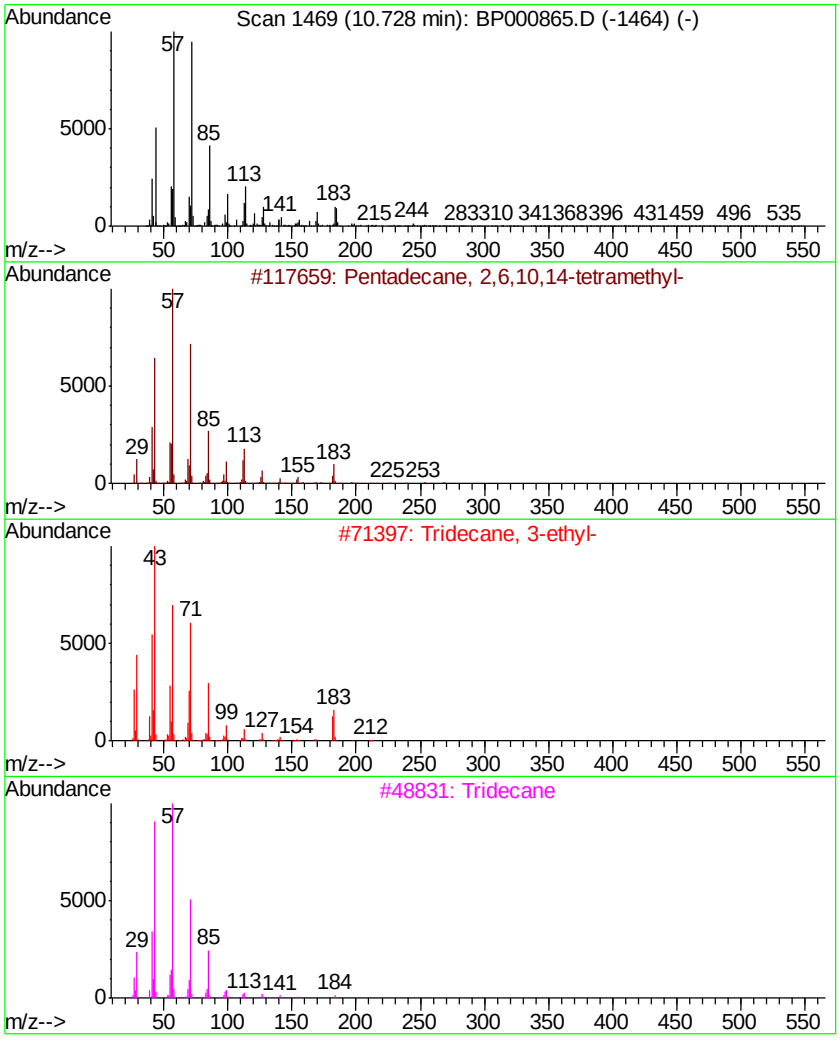
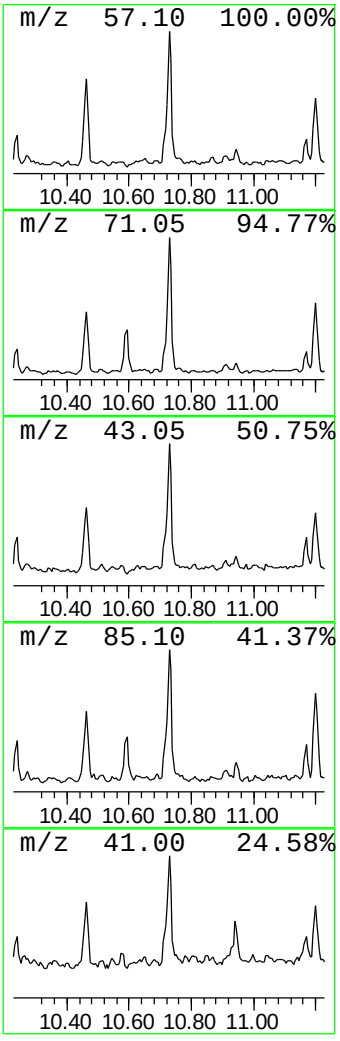
****

Peak Number 4 Pentadecane, 2,6,10,14-tetr... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.73	3.08 ng	231960	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	83
2	Tridecane, 3-ethyl-	212	C15H32	013286-73-2	81
3	Tridecane	184	C13H28	000629-50-5	81
4	Dodecane	170	C12H26	000112-40-3	81
5	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	76





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Instrument : BNA_P
ClientSampleId : COMP-33

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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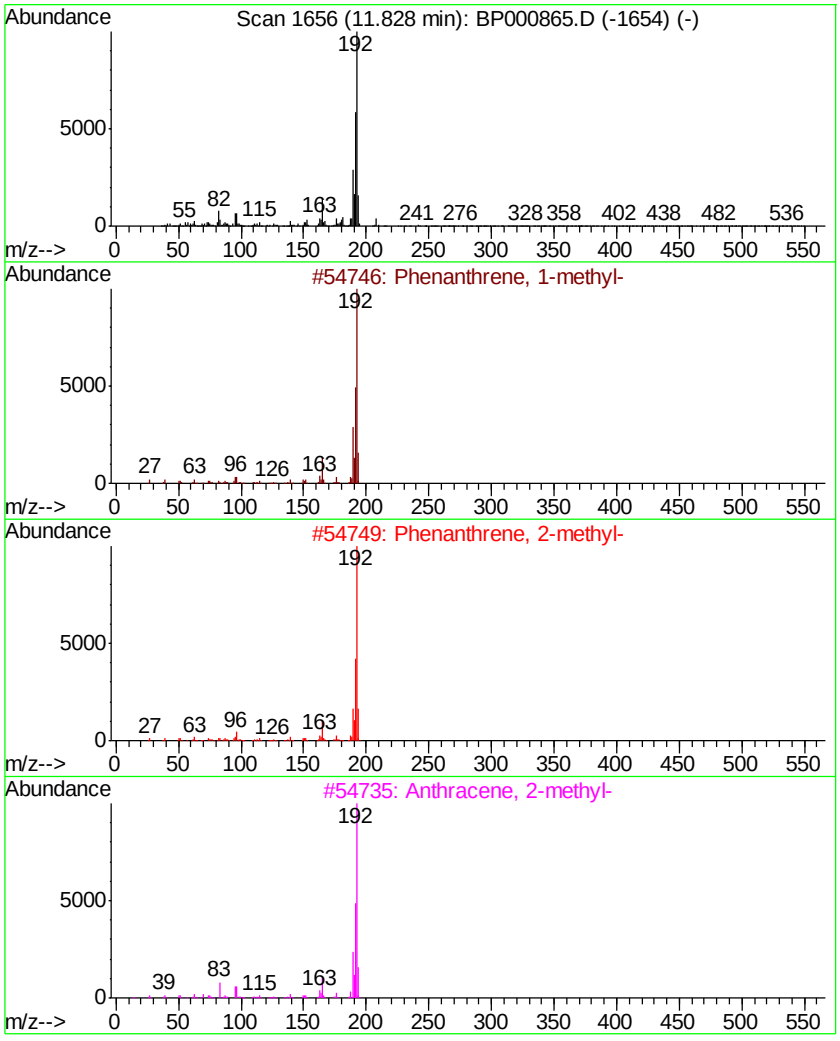
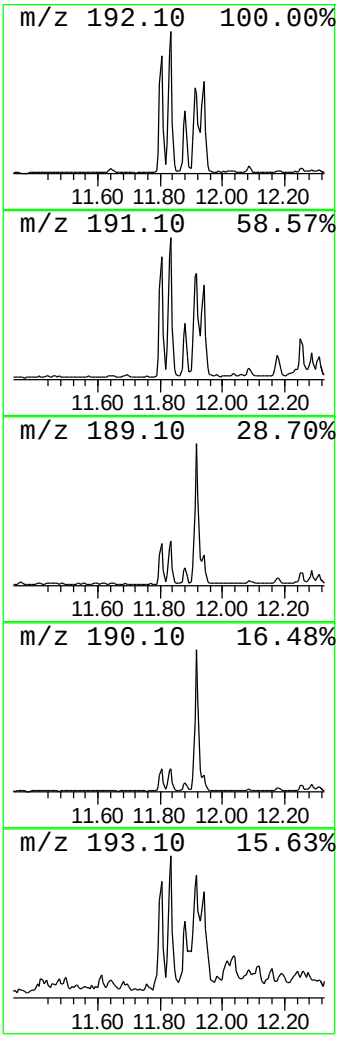
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	2.76 ng	207720	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





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Instrument : BNA_P
ClientSampleId : COMP-33

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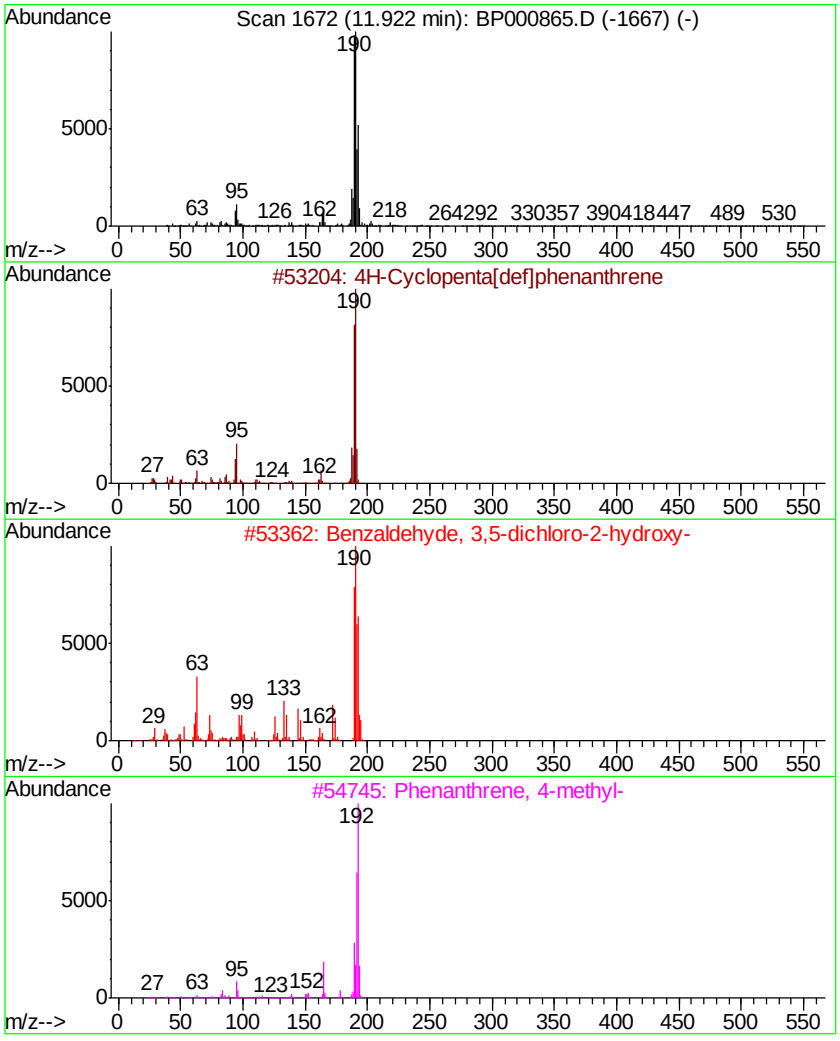
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

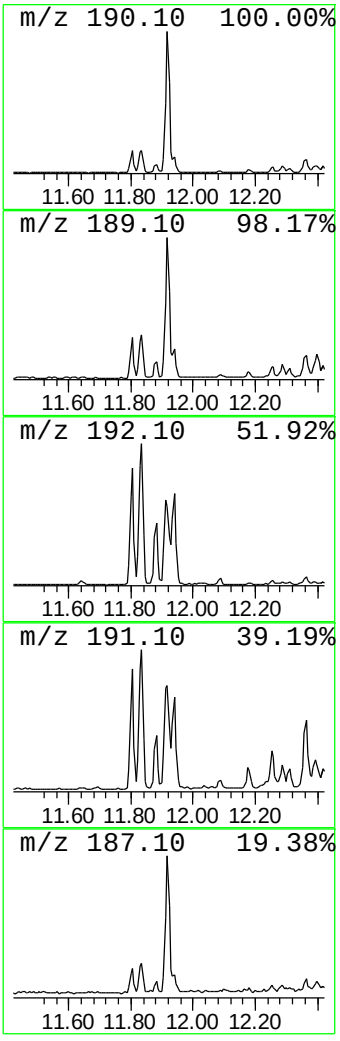
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	3.68 ng	276954	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	38
4	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	38
5	Methyl diselenide	190	C2H6Se2	007101-31-7	38





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Instrument : BNA_P
ClientSampleId : COMP-33

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

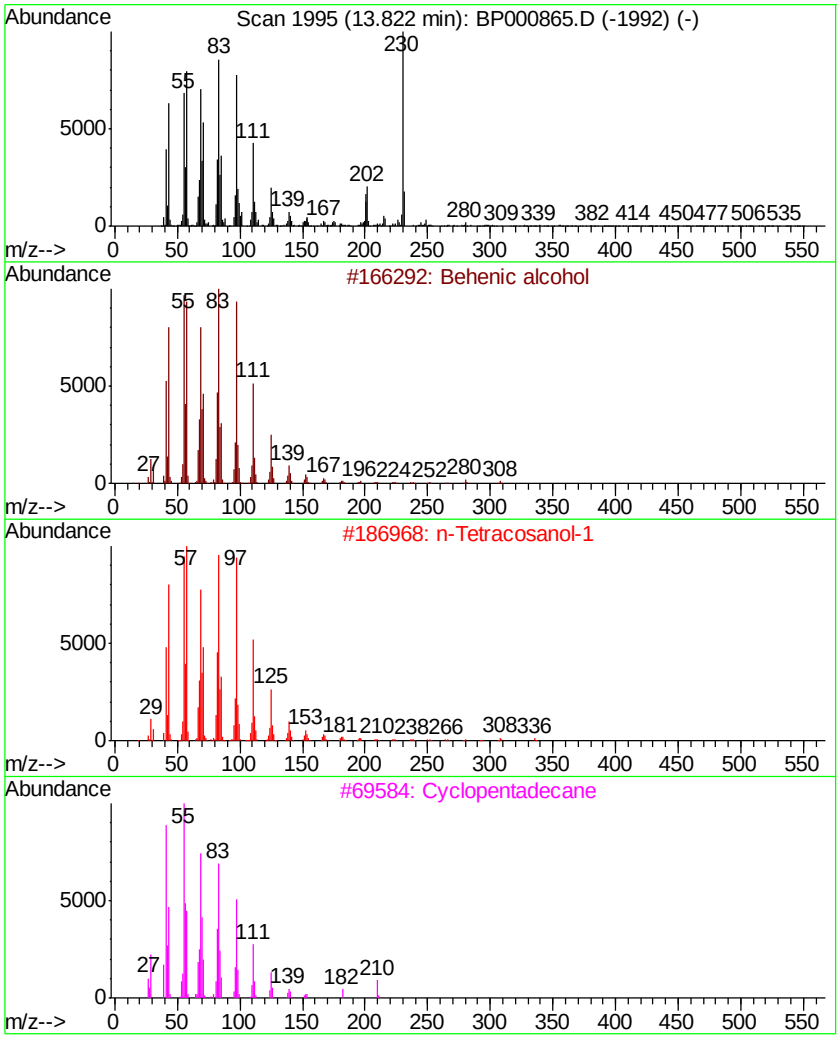
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

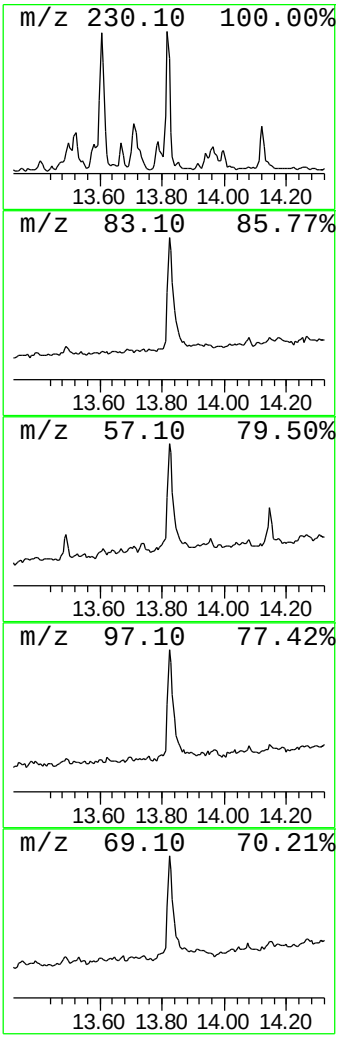
****

Peak Number 7 Behenic alcohol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	4.03 ng	457216	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Behenic alcohol	326	C22H46O	000661-19-8	93
2	n-Tetracosanol-1	354	C24H50O	000506-51-4	93
3	Cyclopentadecane	210	C15H30	000295-48-7	92
4	1-Octadecene	252	C18H36	000112-88-9	91
5	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	89





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Instrument : BNA_P
ClientSampleId : COMP-33

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

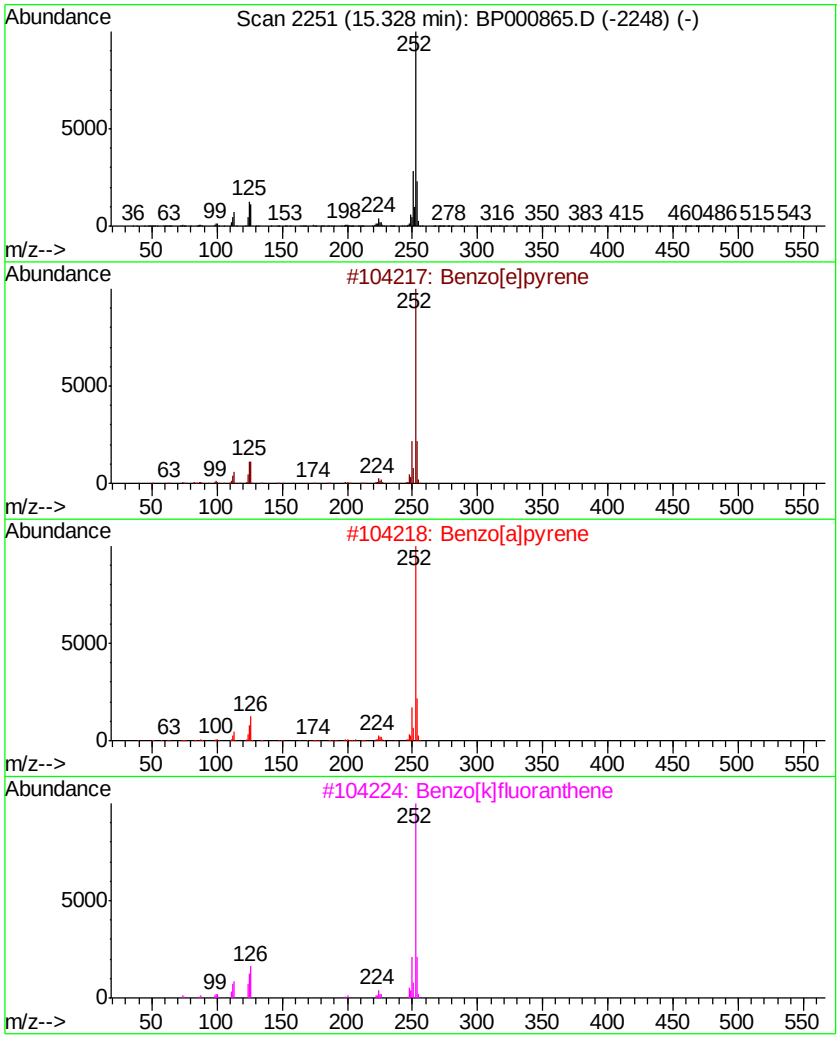
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

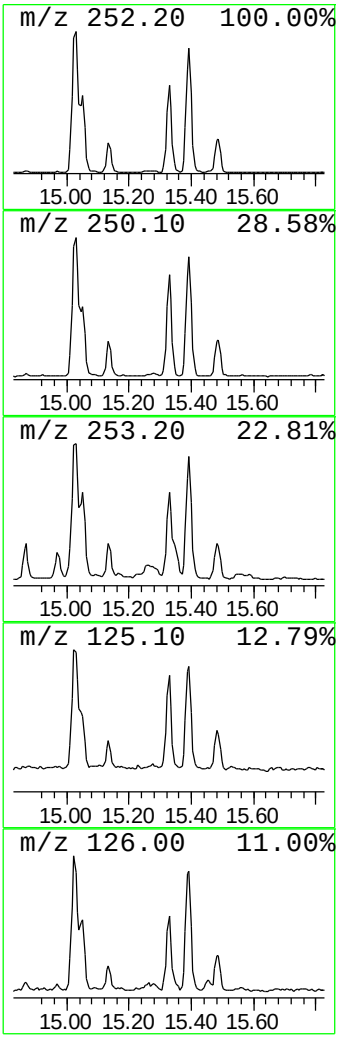
****

Peak Number 8 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	6.56 ng	475819	Perylene-d12	15.46

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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP101819\
Data File : BP000865.D
Acq On : 18 Oct 2019 03:53
Operator : JU
Sample : K5355-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : COMP-33

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.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...	4.95	2.2	ng	114611	1	6.75	1047400	20.0
unknown6.52	6.52	57.5	ng	3013640	1	6.75	1047400	20.0
Pentadecane, 2,6,...	10.73	3.1	ng	231960	4	11.29	1504040	20.0
Phenanthrene, 1-m...	11.83	2.8	ng	207720	4	11.29	1504040	20.0
4H-Cyclopenta[def...	11.92	3.7	ng	276954	4	11.29	1504040	20.0
Behenic alcohol	13.82	4.0	ng	457216	5	13.97	2266610	20.0
Benzo[e]pyrene	15.33	6.6	ng	475819	6	15.46	1450940	20.0