LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101319\
Data File : BP000695.D
Acq On : 13 Oct 2019 02:27
Operator : JU
Sample : K5348-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 20190828-COMPOSITE-D

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	482	487	491	rBV	1263438	1316615	27.97%	2.782%
2	5.375	555	559	571	rBV	1483752	1369881	29.11%	2.895%
3	5.699	610	614	623	rBV2	48658	88607	1.88%	0.187%
4	6.293	710	715	720	rBV	180889	184580	3.92%	0.390%
5	6.393	727	732	741	rBV	3718106	3730632	79.26%	7.883%
6	6.522	750	754	757	rBV	3242862	2772596	58.91%	5.859%
7	6.746	789	792	801	rVB	1459272	1327428	28.20%	2.805%
8	6.816	801	804	811	rBV	93967	78902	1.68%	0.167%
9	6.905	815	819	823	rBV	4288826	3518017	74.75%	7.434%
10	7.310	881	888	891	rBV	3012633	2558485	54.36%	5.406%
11	7.522	921	924	928	rBV	180046	167923	3.57%	0.355%
12	7.852	977	980	987	rVB2	34806	61993	1.32%	0.131%
13	8.034	1007	1011	1013	rBV	1804962	1602038	34.04%	3.385%
14	8.052	1013	1014	1017	rVB	95226	56108	1.19%	0.119%
15	8.234	1042	1045	1052	rVB3	55434	60966	1.30%	0.129%
16	8.746	1127	1132	1135	rBV2	65164	76348	1.62%	0.161%
17	8.781	1135	1138	1142	rBV2	88256	76408	1.62%	0.161%
18	9.116	1191	1195	1198	rVB	5645066	4706561	100.00%	9.945%
19	9.210	1205	1211	1215	rBV5	49460	102997	2.19%	0.218%
20	9.257	1216	1219	1226	rVB2	43494	62230	1.32%	0.131%
21	9.452	1247	1252	1255	rBV3	51132	82890	1.76%	0.175%
22	9.510	1259	1262	1267	rVB	912441	713457	15.16%	1.508%
23	9.657	1283	1287	1292	rBV	145235	166907	3.55%	0.353%
24	9.710	1294	1296	1299	rVB2	65738	63935	1.36%	0.135%
25	9.799	1307	1311	1314	rVB	2087002	1908581	40.55%	4.033%
26	10.040	1349	1352	1355	rBV2	117361	100671	2.14%	0.213%
27	10.316	1397	1399	1402	rVV2	70317	61757	1.31%	0.130%
28	10.346	1402	1404	1410	rVB2	46517	60246	1.28%	0.127%
29	10.587	1442	1445	1453	rBV	536433	535430	11.38%	1.131%
30	10.716	1464	1467	1475	rVB3	102647	181854	3.86%	0.384%
31	10.781	1475	1478	1481	rBV	56316	66682	1.42%	0.141%
32	10.957	1505	1508	1513	rVB4	72297	76816	1.63%	0.162%
33	11.022	1516	1519	1521	rBV	179256	160155	3.40%	0.338%
34	11.157	1538	1542	1546	rBV	668676	596974	12.68%	1.261%

LSC Area Percent Report

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Operator : JU
Sample : K5348-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 20190828-COMPOSITE-D

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

35	11.293	1562	1565	1568	rBV	2359733	2047511	43.50%	4.327%
36	11.316	1568	1569	1572	rVV	325772	183698	3.90%	0.388%
37	11.363	1574	1577	1581	rVB2	286410	306705	6.52%	0.648%
38	11.528	1603	1605	1608	rBV	77486	68334	1.45%	0.144%
39	11.804	1649	1652	1654	rBV	65247	59069	1.26%	0.125%
40	11.828	1654	1656	1659	rBV	82227	77958	1.66%	0.165%
41	11.916	1669	1671	1673	rVB2	121201	99072	2.10%	0.209%
42	12.098	1699	1702	1704	rVB3	76240	77090	1.64%	0.163%
43	12.251	1726	1728	1731	rVB2	68807	55430	1.18%	0.117%
44	12.357	1743	1746	1749	rBV	134431	154125	3.27%	0.326%
45	12.457	1758	1763	1770	rVB4	190228	296134	6.29%	0.626%
46	12.522	1770	1774	1777	rBV	803945	742708	15.78%	1.569%
47	12.563	1779	1781	1783	rBV2	82644	73144	1.55%	0.155%
48	12.616	1788	1790	1793	rVB	101990	82453	1.75%	0.174%
49	12.751	1808	1813	1816	rBV	920517	856069	18.19%	1.809%
50	12.898	1835	1838	1842	rVB	5074181	4580025	97.31%	9.678%
51	13.087	1867	1870	1873	rVB	267400	248760	5.29%	0.526%
52	13.151	1878	1881	1884	rVB	229453	199537	4.24%	0.422%
53	13.193	1885	1888	1890	rBV2	134034	124832	2.65%	0.264%
54	13.316	1906	1909	1913	rBV	118334	130994	2.78%	0.277%
55	13.816	1991	1994	2001	rVB3	330634	464825	9.88%	0.982%
56	13.963	2015	2019	2022	rBV2	2169851	2785801	59.19%	5.887%
57	13.992	2022	2024	2027	rVB	485710	378197	8.04%	0.799%
58	14.457	2100	2103	2106	rBV2	244823	212788	4.52%	0.450%
59	15.016	2195	2198	2201	rBV	483440	645642	13.72%	1.364%
60	15.104	2211	2213	2215	rBV	144599	140211	2.98%	0.296%
61	15.316	2246	2249	2255	rVB	376455	494801	10.51%	1.046%
62	15.381	2256	2260	2266	rBV	502694	697193	14.81%	1.473%
63	15.445	2266	2271	2274	rBV	1576213	1836851	39.03%	3.881%
64	15.928	2350	2353	2357	rBV	148485	192478	4.09%	0.407%
65	16.910	2516	2520	2525	rVB2	190894	315537	6.70%	0.667%

Sum of corrected areas: 47323642

LSC Report - Integrated Chromatogram

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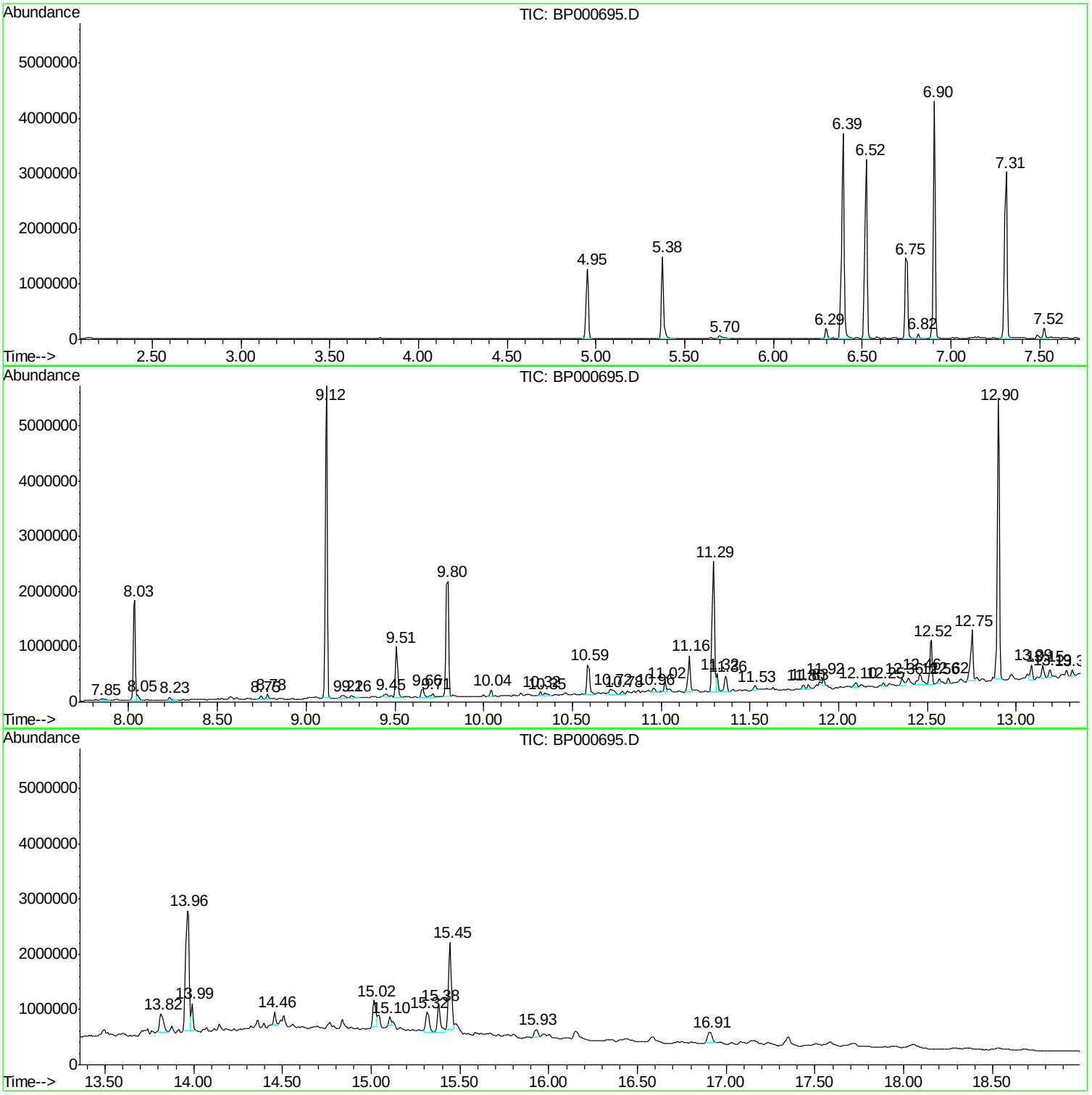
Acq On : 13 Oct 2019 02:27
Operator : JU
Sample : K5348-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 20190828-COMPOSITE-D

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\BP101319\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

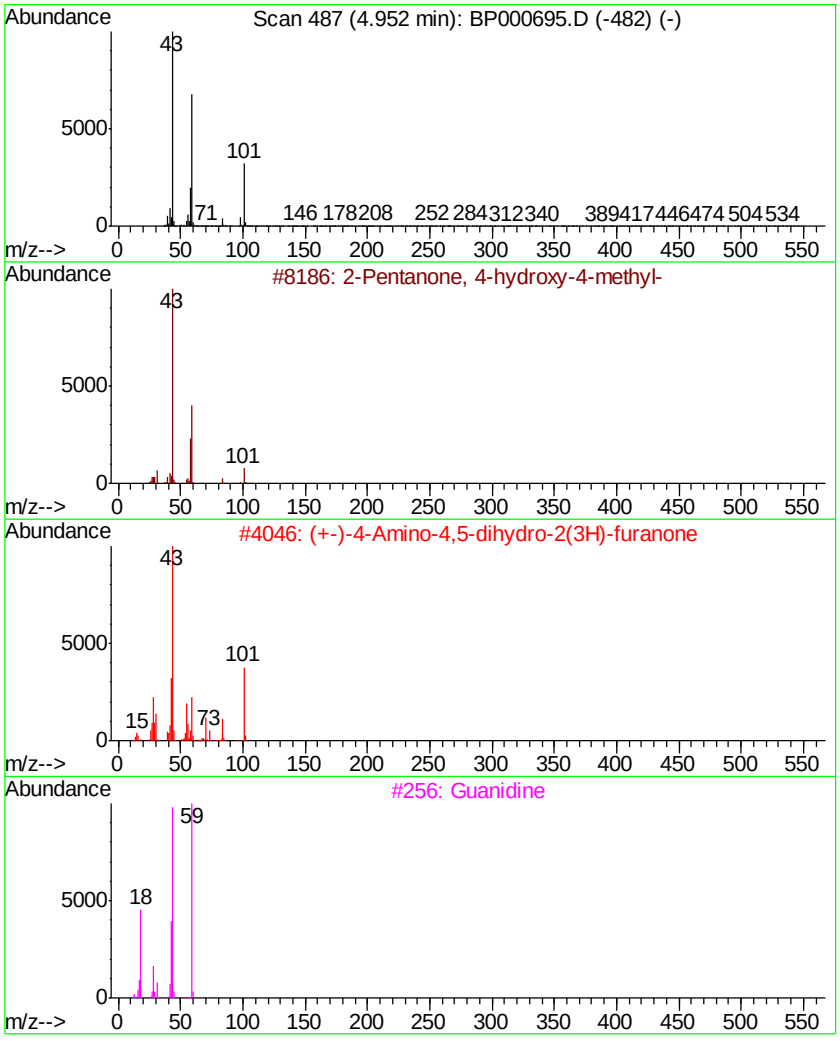
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

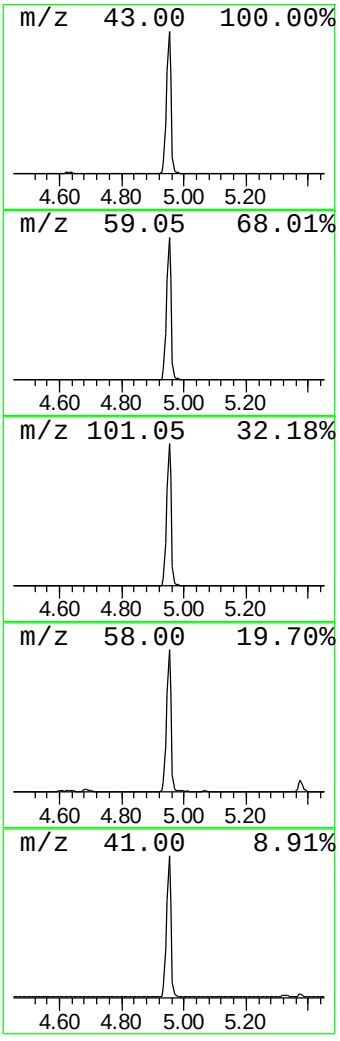
****

Peak Number 1 unknown4.95 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.95	19.84 ng	1316620	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	45
2	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	43
3	Guanidine	59	CH5N3	000113-00-8	38
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	12
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10





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Data File : BP000695.D
Acq On : 13 Oct 2019 02:27
Operator : JU
Sample : K5348-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 20190828-COMPOSITE-D

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

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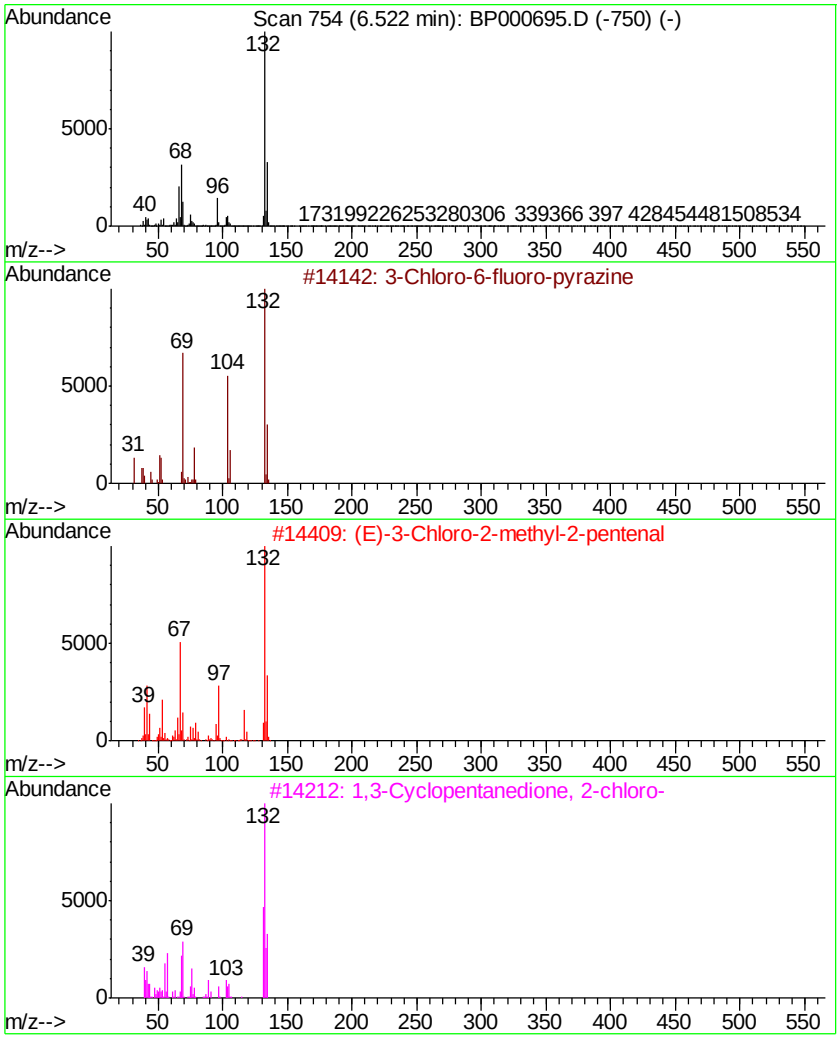
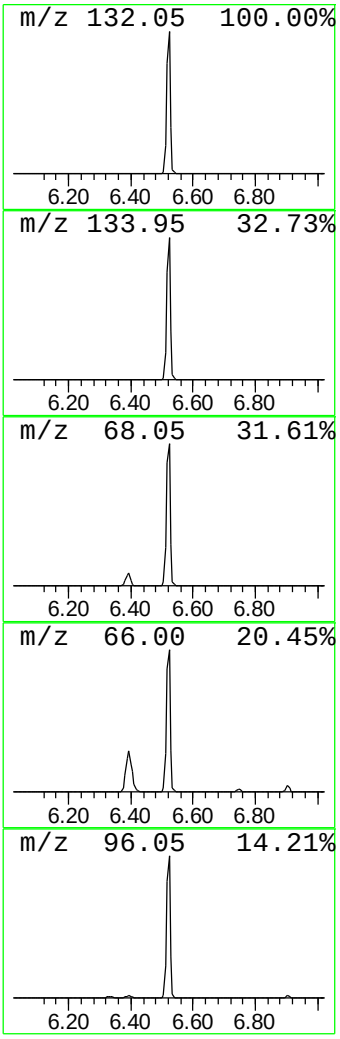
Peak Number 2 unknown6.52 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.52	41.77 ng	2772600	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	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	9
4	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





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Data File : BP000695.D
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Operator : JU
Sample : K5348-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 20190828-COMPOSITE-D

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

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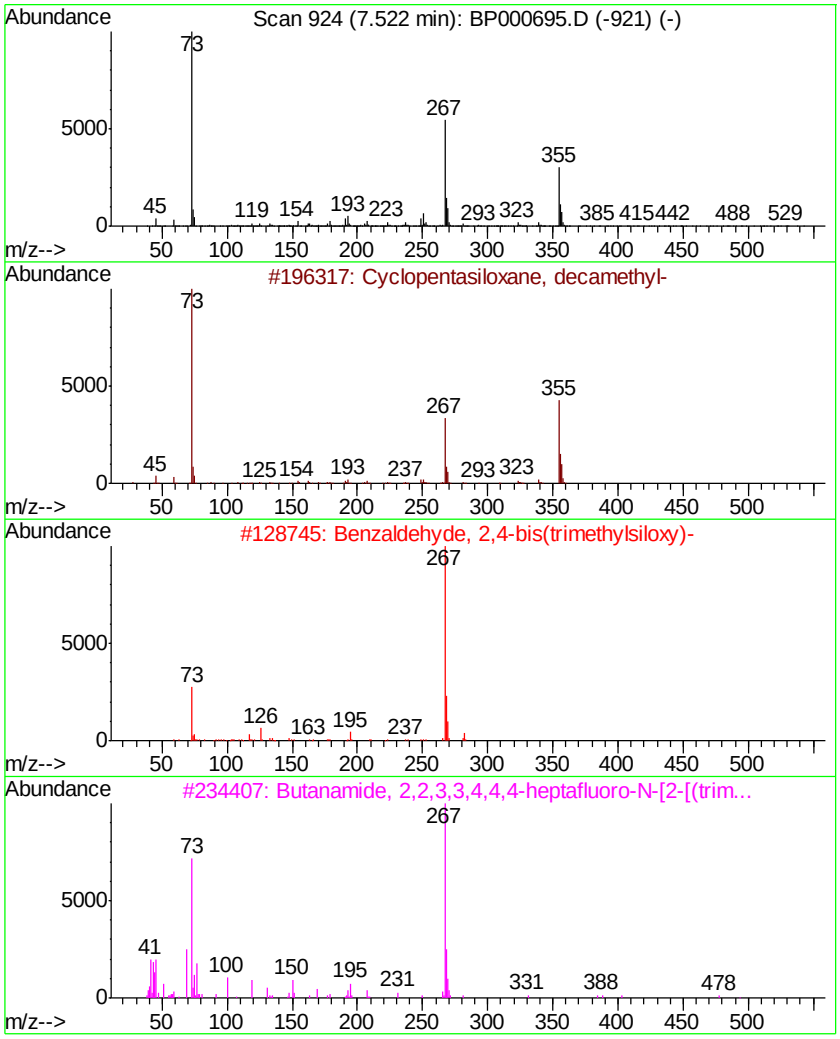
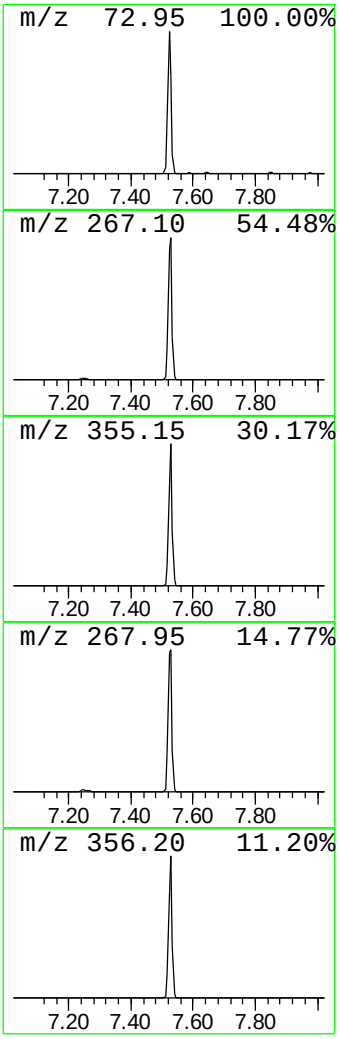
Peak Number 4 Cyclopentasiloxane, decamet... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.52	2.10 ng	167923	Naphthalene-d8	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	91
2	Benzaldehyde, 2,4-bis(trimethyls...	282	C13H22O3Si2	033617-38-8	47
3	Butanamide, 2,2,3,3,4,4,4-heptaf...	493	C18H26F7NO3Si2	055471-01-7	47
4	Benzoic acid, 2-[(trimethylsilyl...	282	C13H22O3Si2	003789-85-3	47
5	Benzaldehyde, 2,5-bis[(trimethyl...	282	C13H22O3Si2	056114-69-3	40





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101319\
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Instrument : BNA_P
ClientSampleId : 20190828-COMPOSITE-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.M
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TIC Library : C:\DATABASE\NIST11.L
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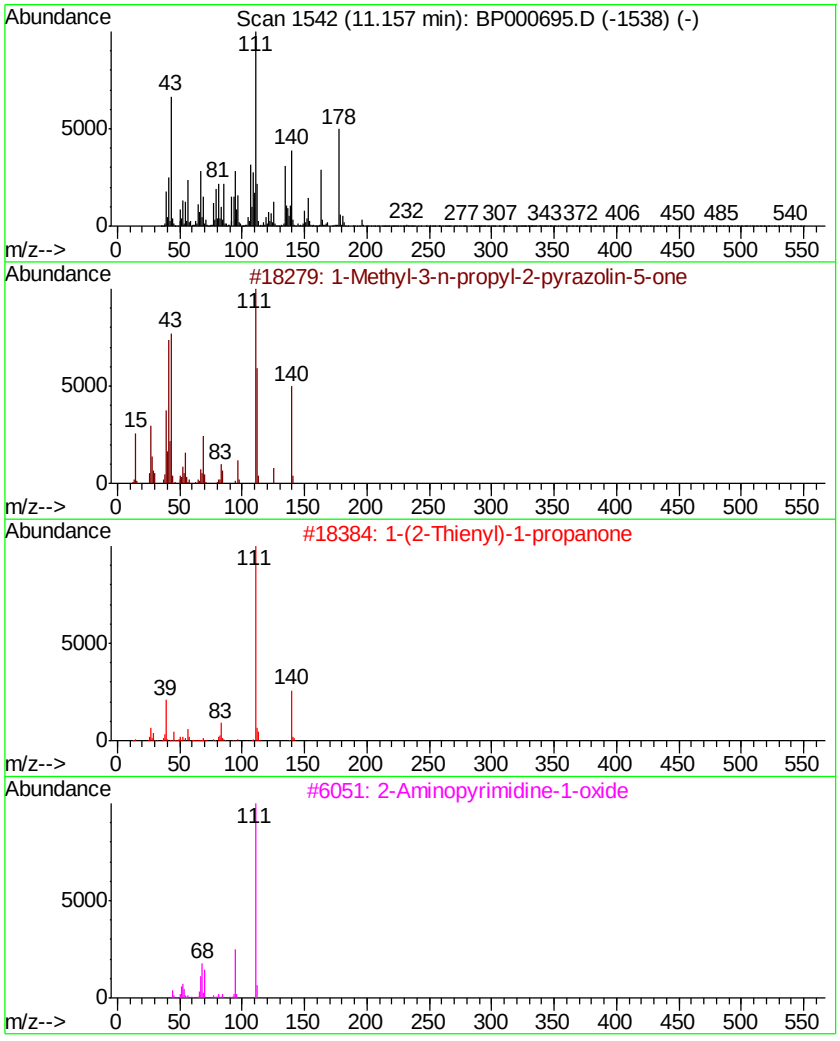
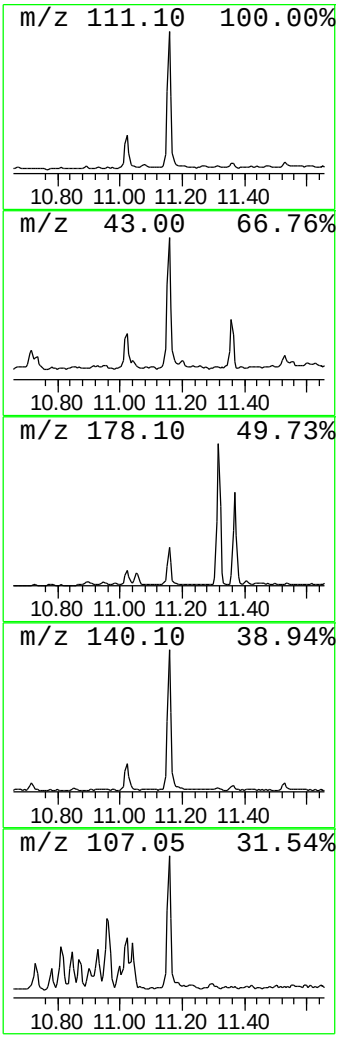
Peak Number 5 unknown11.16 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.16	5.83 ng	596974	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyl-3-n-propyl-2-pyrazolin-...	140	C7H12N2O	031272-04-5	27
2	1-(2-Thienyl)-1-propanone	140	C7H8OS	013679-75-9	27
3	2-Aminopyrimidine-1-oxide	111	C4H5N3O	035034-15-2	22
4	2-Butyl-5-methyl-3-(2-methylprop...	222	C15H26O	1000281-10-6	16
5	2-Furanethanol, .beta.-methoxy-(S)-	142	C7H10O3	101996-92-3	16





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Instrument : BNA_P
ClientSampleId : 20190828-COMPOSITE-D

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

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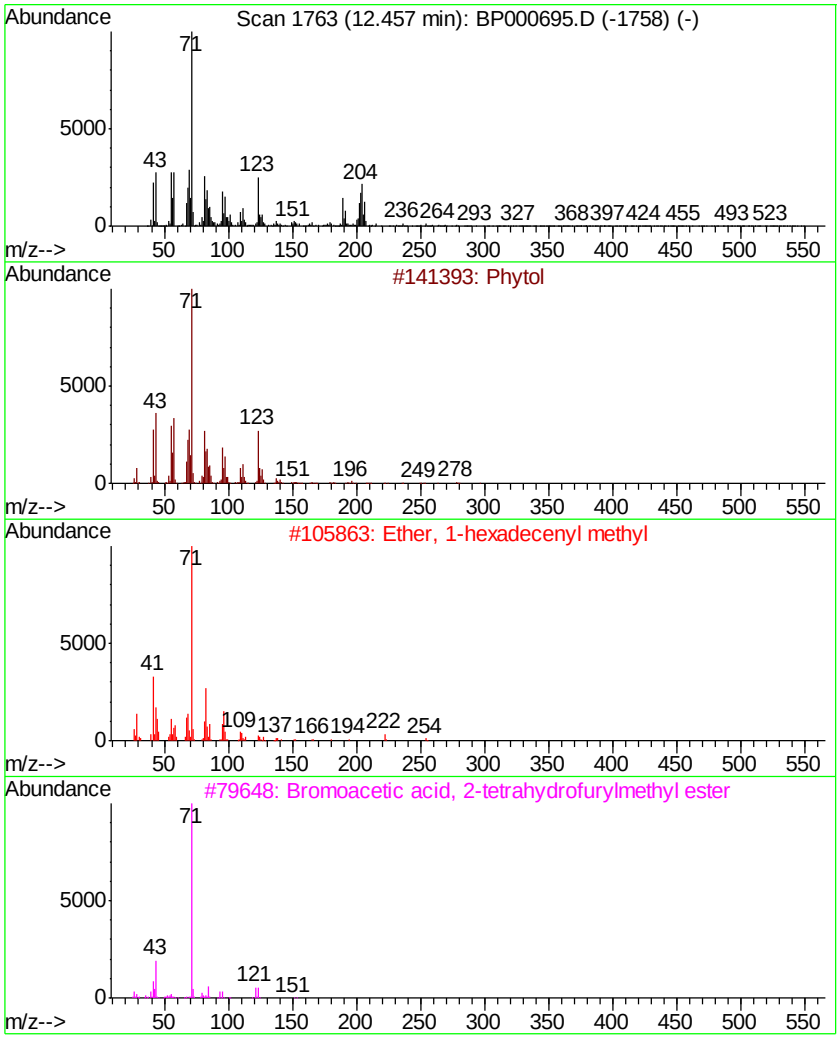
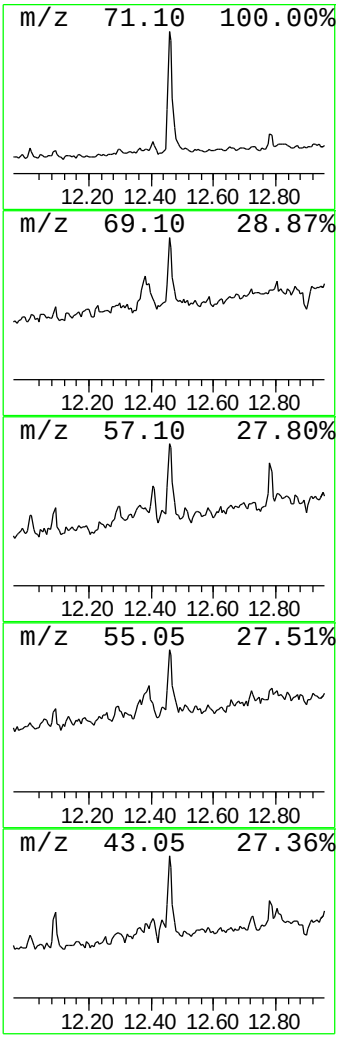
Peak Number 6 Phytol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	2.89 ng	296134	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phytol	296	C20H40O	000150-86-7	64
2	Ether, 1-hexadecenyl methyl	254	C17H34O	015519-14-9	45
3	Bromoacetic acid, 2-tetrahydrofu...	222	C7H11BrO3	056405-23-3	43
4	Isophytol	296	C20H40O	000505-32-8	38
5	Malonic acid, neopentyl tridecyl...	356	C21H40O4	1000363-93-6	38





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ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 20190828-COMPOSITE-D

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

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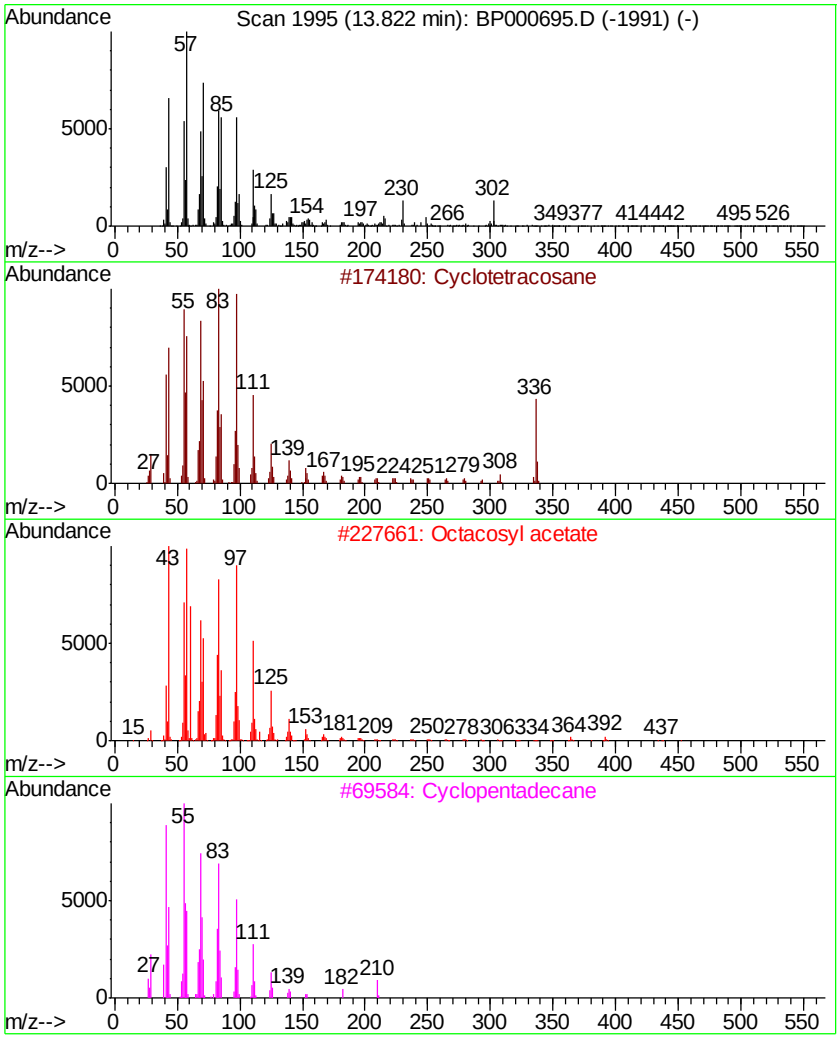
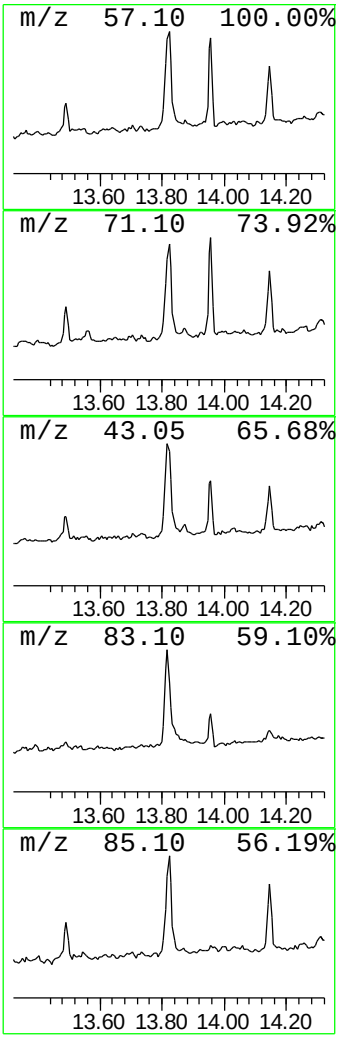
Peak Number 7 Cyclotetracosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	3.34 ng	464825	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetracosane	336	C24H48	000297-03-0	96
2	Octacosyl acetate	452	C30H60O2	018206-97-8	95
3	Cyclopentadecane	210	C15H30	000295-48-7	93
4	n-Nonadecanol-1	284	C19H40O	001454-84-8	91
5	1-Heptacosanol	396	C27H56O	002004-39-9	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101319\
Data File : BP000695.D
Acq On : 13 Oct 2019 02:27
Operator : JU
Sample : K5348-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 20190828-COMPOSITE-D

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

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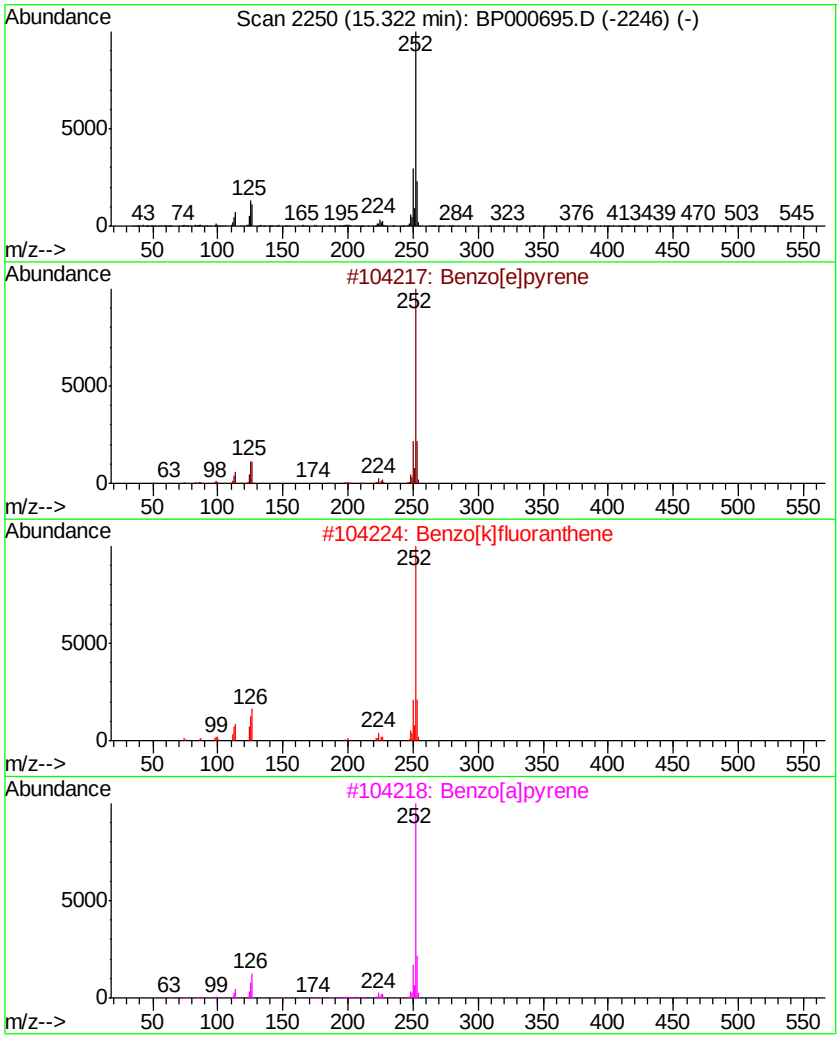
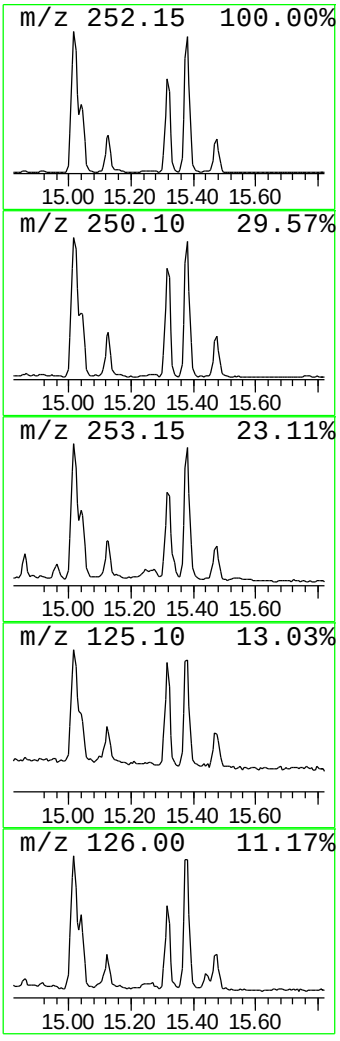
Peak Number 8 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.32	5.39 ng	494801	Perylene-d12	15.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Perylene	252	C20H12	000198-55-0	95
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101319\
Data File : BP000695.D
Acq On : 13 Oct 2019 02:27
Operator : JU
Sample : K5348-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 20190828-COMPOSITE-D

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

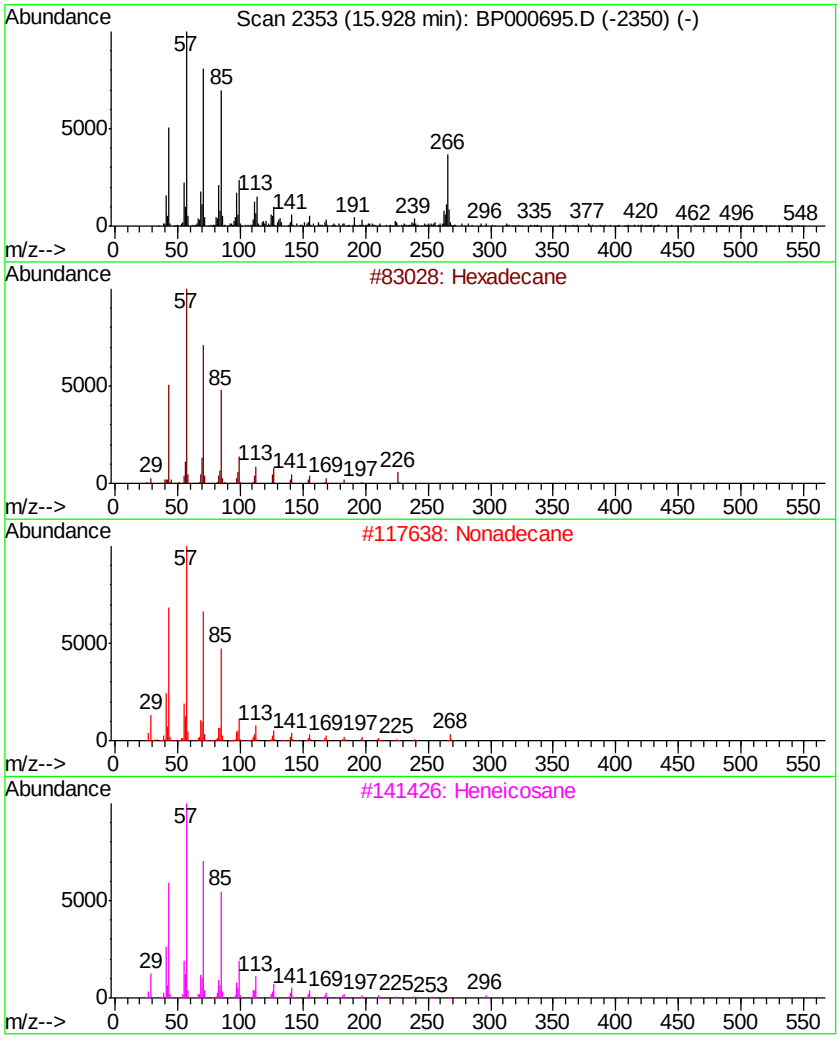
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

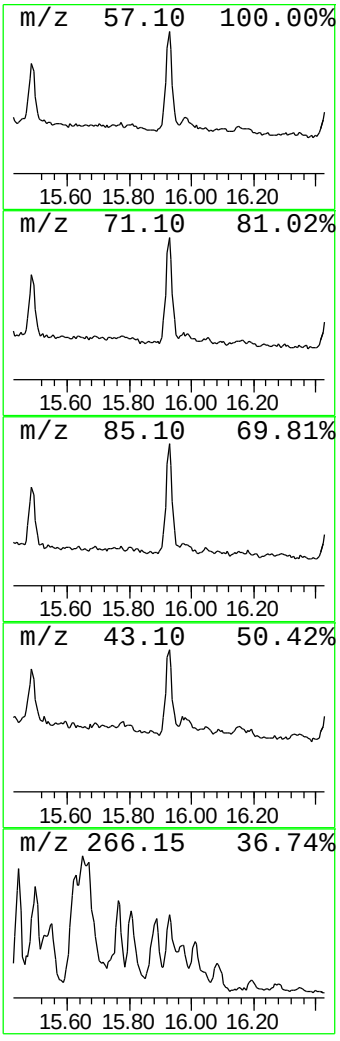
****

Peak Number 9 Hexadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	2.10 ng	192478	Perylene-d12	15.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	93
2	Nonadecane	268	C19H40	000629-92-5	93
3	Heneicosane	296	C21H44	000629-94-7	92
4	2-methyloctacosane	408	C29H60	1000376-72-8	76
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP101319\
Data File : BP000695.D
Acq On : 13 Oct 2019 02:27
Operator : JU
Sample : K5348-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 20190828-COMPOSITE-D

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
unknown4.95	4.95	19.8	ng	1316620	1	6.75	1327430	20.0
unknown6.52	6.52	41.8	ng	2772600	1	6.75	1327430	20.0
Cyclopentasiloxan...	7.52	2.1	ng	167923	2	8.03	1602040	20.0
unknown11.16	11.16	5.8	ng	596974	4	11.29	2047510	20.0
Phytol	12.46	2.9	ng	296134	4	11.29	2047510	20.0
Cyclotetracosane	13.82	3.3	ng	464825	5	13.97	2785800	20.0
Benzo[e]pyrene	15.32	5.4	ng	494801	6	15.45	1836850	20.0
Hexadecane	15.93	2.1	ng	192478	6	15.45	1836850	20.0