LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120219\
Data File : BP001133.D
Acq On : 02 Dec 2019 18:43
Operator : JU
Sample : K6022-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-17-S

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-BP112719.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	5.640	599	604	619	rVB	562371	881420	19.35%	2.031%
2	6.234	698	705	710	rBV	3071173	3960123	86.96%	9.124%
3	7.775	960	967	983	rBV	3108515	4318207	94.82%	9.949%
4	7.963	993	999	1004	rBV	3180677	4100436	90.04%	9.447%
5	8.328	1054	1061	1067	rBV	818927	944423	20.74%	2.176%
6	8.569	1096	1102	1107	rBV	2686612	3089327	67.84%	7.117%
7	9.210	1204	1211	1215	rBV	2177696	2649433	58.18%	6.104%
8	10.363	1401	1407	1412	rBV	1019602	1177533	25.86%	2.713%
9	12.146	1703	1710	1714	rBV	3873342	4534172	99.56%	10.446%
10	12.810	1818	1823	1831	rVB	352990	386411	8.48%	0.890%
11	13.228	1888	1894	1900	rBV	1107840	1350623	29.66%	3.112%
12	14.522	2107	2114	2126	rBV	2206642	2930828	64.36%	6.752%
13	15.622	2296	2301	2305	rBV	1142725	1354646	29.75%	3.121%
14	15.657	2305	2307	2313	rVB	209933	217129	4.77%	0.500%
15	15.734	2317	2320	2323	rBV	55227	62579	1.37%	0.144%
16	16.381	2426	2430	2433	rBV	59179	63592	1.40%	0.147%
17	16.416	2433	2436	2443	rVB	75839	90189	1.98%	0.208%
18	16.510	2449	2452	2454	rBV	142668	153243	3.36%	0.353%
19	16.569	2459	2462	2466	rVB	51477	58634	1.29%	0.135%
20	16.816	2500	2504	2515	rBV3	39759	82600	1.81%	0.190%
21	17.163	2560	2563	2567	rVB2	44124	54100	1.19%	0.125%
22	17.369	2594	2598	2603	rVB	542480	557647	12.25%	1.285%
23	17.598	2635	2637	2642	rBV5	49775	59738	1.31%	0.138%
24	17.675	2645	2650	2655	rVB	526401	622779	13.68%	1.435%
25	17.910	2685	2690	2694	rVB	4011426	4554078	100.00%	10.492%
26	18.269	2747	2751	2762	rBV3	71265	132114	2.90%	0.304%
27	18.386	2768	2771	2774	rBV	53976	54513	1.20%	0.126%
28	18.792	2837	2840	2845	rVB	70439	90434	1.99%	0.208%
29	18.933	2862	2864	2870	rVB2	47895	61759	1.36%	0.142%
30	19.063	2884	2886	2894	rVB	68705	71631	1.57%	0.165%
31	19.163	2900	2903	2913	rBV5	66686	208725	4.58%	0.481%
32	19.269	2915	2921	2924	rVV2	1202276	1642208	36.06%	3.783%
33	19.298	2924	2926	2930	rVB	281968	294083	6.46%	0.678%
34	19.951	3035	3037	3043	rVB2	92575	108498	2.38%	0.250%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120219\
Data File : BP001133.D
Acq On : 02 Dec 2019 18:43
Operator : JU
Sample : K6022-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-17-S

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-BP112719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	20.328	3099	3101	3108	rVB2	111486	154858	3.40%	0.357%
36	20.557	3136	3140	3144	rBV	262566	468195	10.28%	1.079%
37	20.727	3167	3169	3174	rVB	127210	137388	3.02%	0.317%
38	20.904	3196	3199	3206	rVB	176285	228836	5.02%	0.527%
39	20.975	3207	3211	3215	rVB	234246	314166	6.90%	0.724%
40	21.051	3219	3224	3228	rBV	870528	1184166	26.00%	2.728%

Sum of corrected areas: 43405464

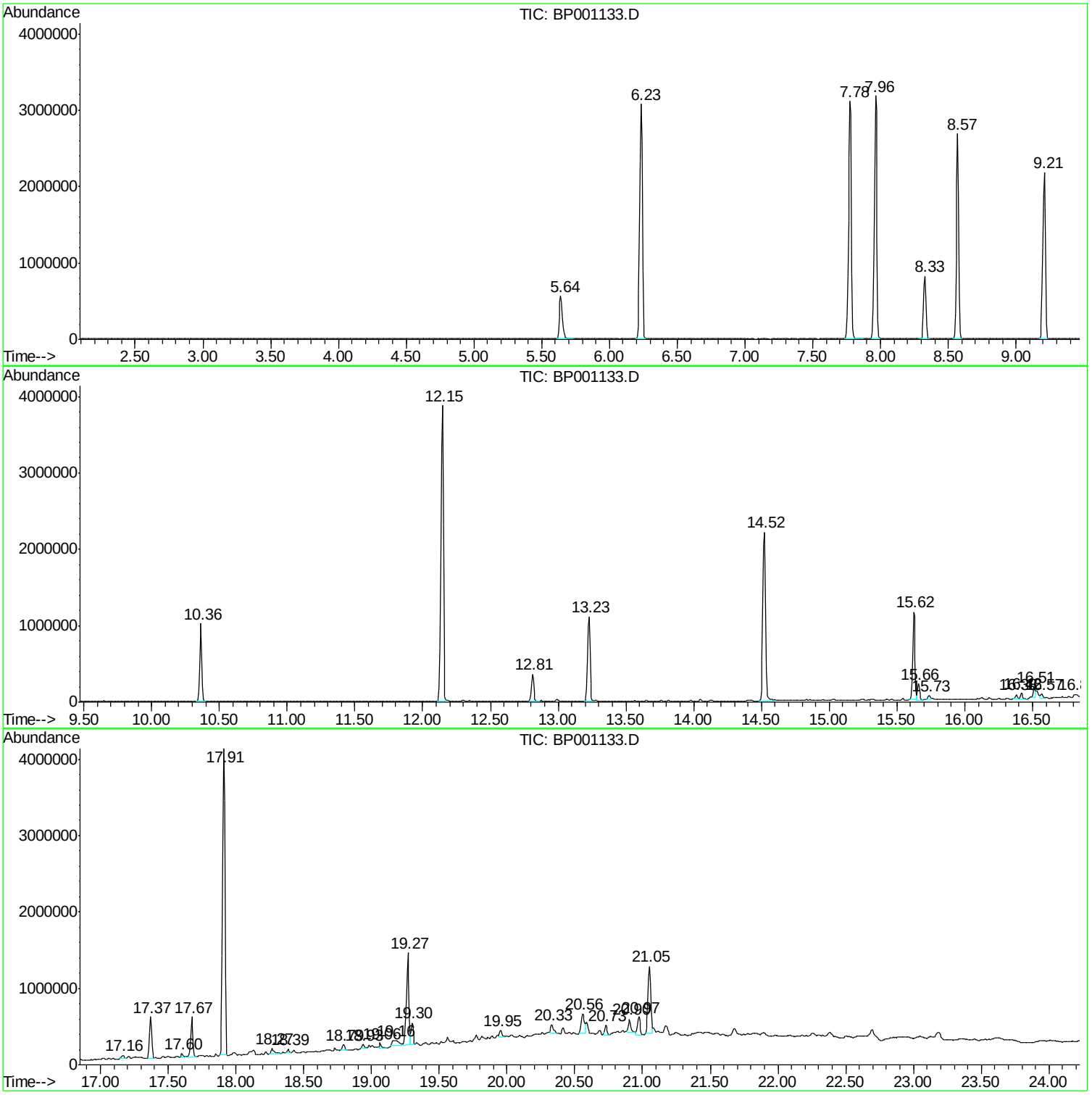
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120219\
Data File : BP001133.D
Acq On : 02 Dec 2019 18:43
Operator : JU
Sample : K6022-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-17-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.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 P\DATA\BP120219\
Data File : BP001133.D
Acq On : 02 Dec 2019 18:43
Operator : JU
Sample : K6022-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-17-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.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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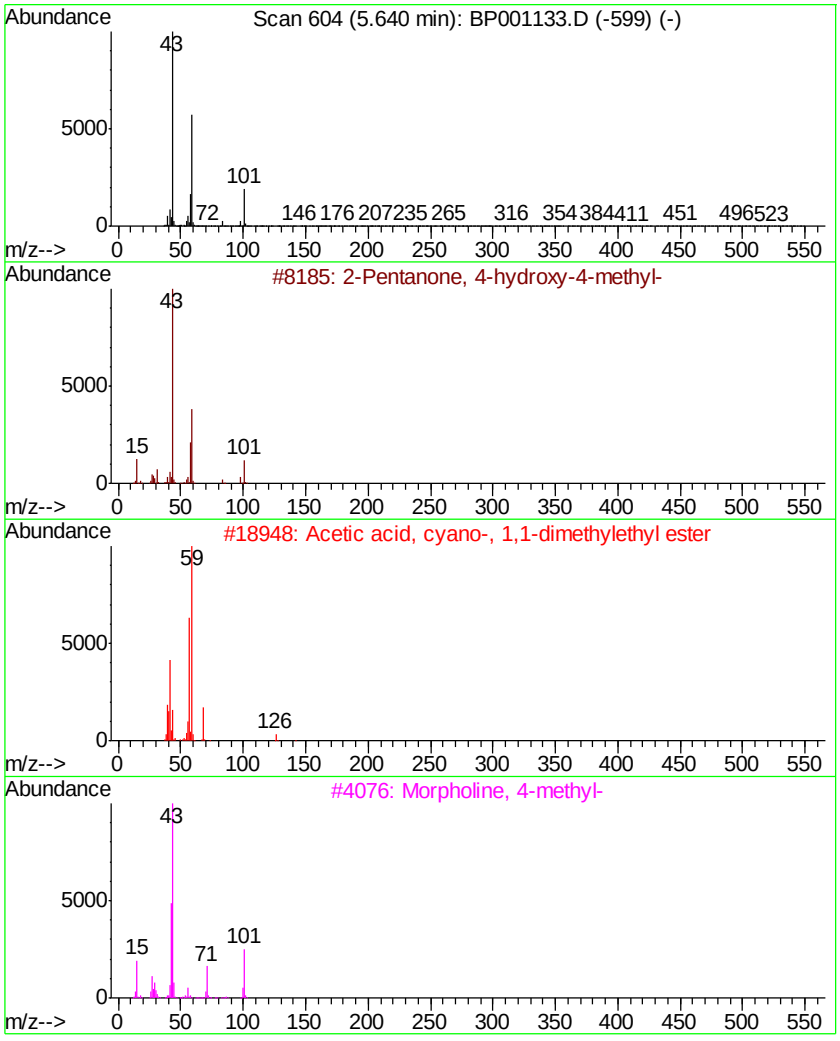
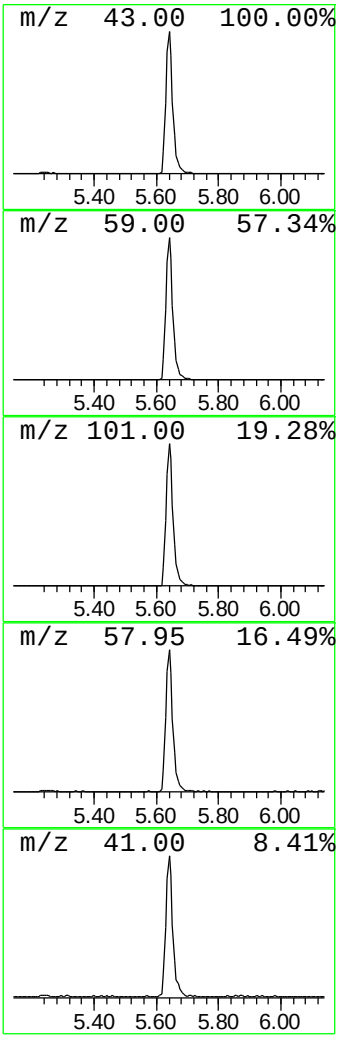
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.64	18.67 ng	881420	1,4-Dichlorobenzene-d4	8.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4	Butanamide, 2-hydroxy-2,N-dimethyl-	117	C5H11NO2	039961-72-3	9
5	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120219\
Data File : BP001133.D
Acq On : 02 Dec 2019 18:43
Operator : JU
Sample : K6022-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-17-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

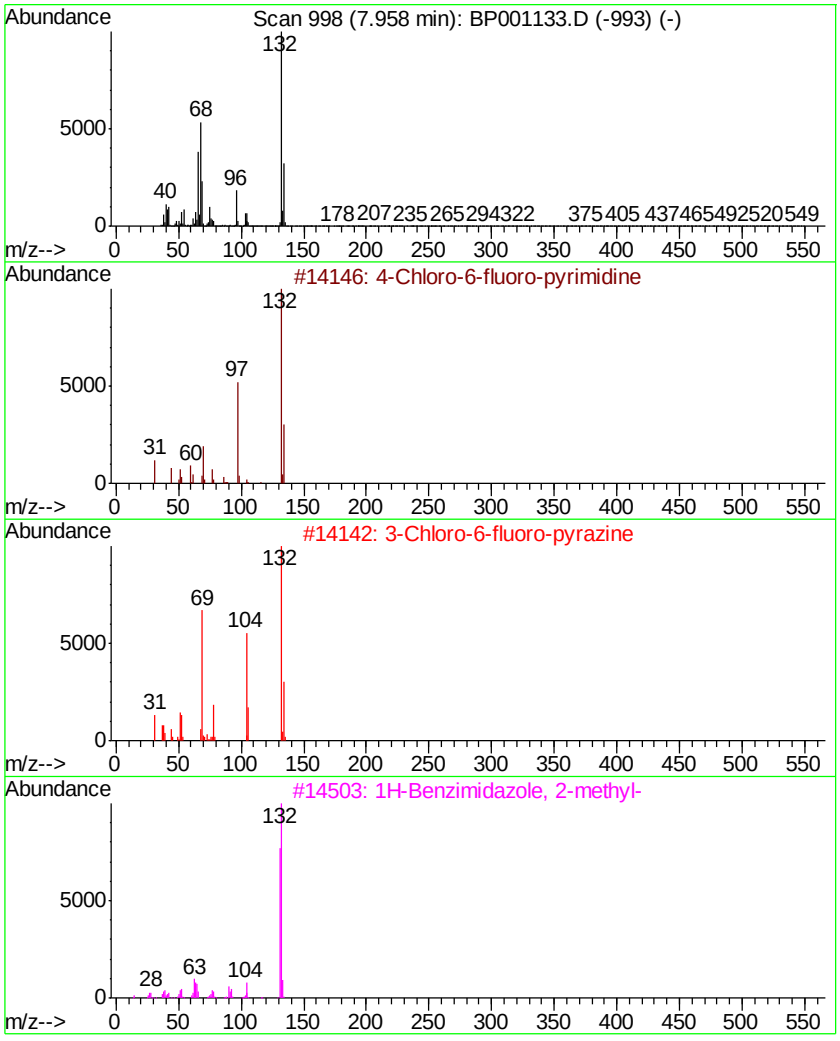
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

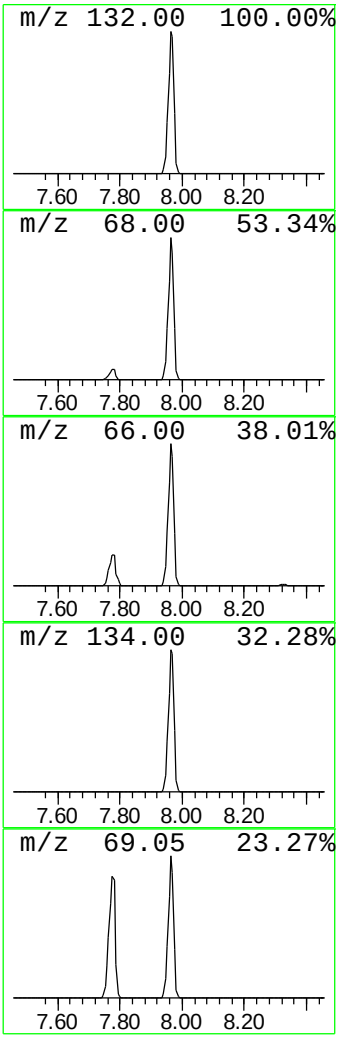
****

Peak Number 2 unknown7.96 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.96	86.83 ng	4100440	1,4-Dichlorobenzene-d4	8.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
4	Pyrazolo(2,3-a)pyridine, 7-methyl-	132	C8H8N2	034760-58-2	12
5	5-Aminoindole	132	C8H8N2	005192-03-0	12





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120219\
Data File : BP001133.D
Acq On : 02 Dec 2019 18:43
Operator : JU
Sample : K6022-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-17-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.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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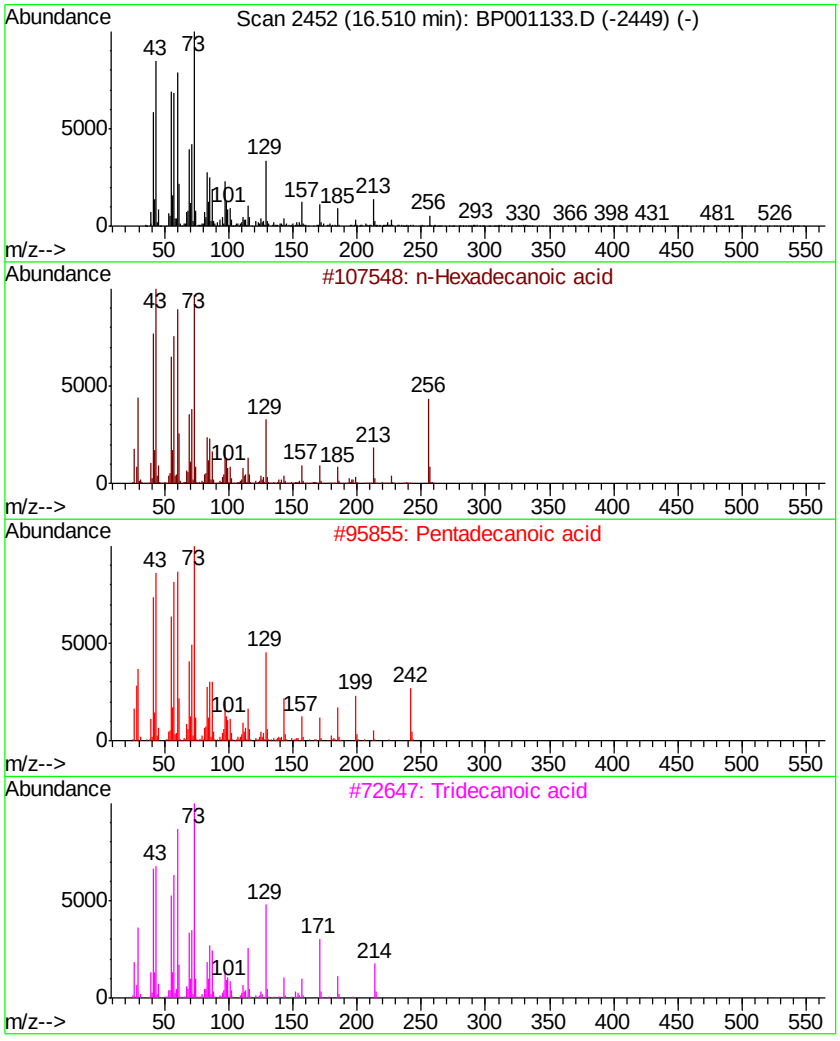
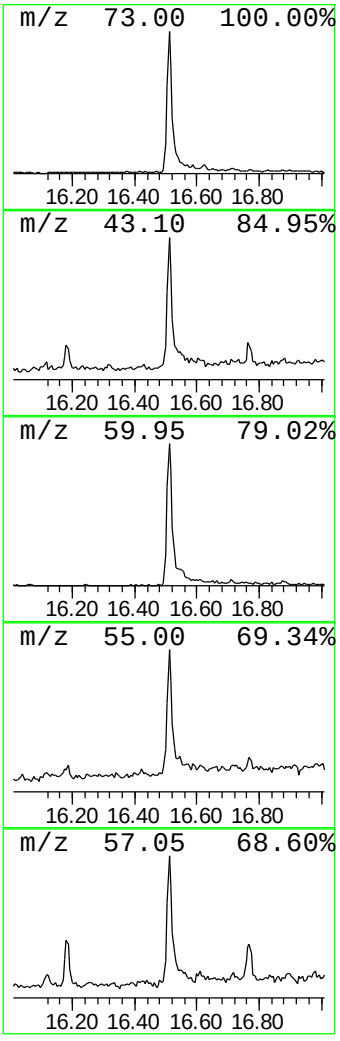
Peak Number 4 n-Hexadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.51	2.26 ng	153243	Phenanthrene-d10	15.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
3	Tridecanoic acid	214	C13H26O2	000638-53-9	89
4	Octadecanoic acid	284	C18H36O2	000057-11-4	87
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	80





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120219\
Data File : BP001133.D
Acq On : 02 Dec 2019 18:43
Operator : JU
Sample : K6022-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-17-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.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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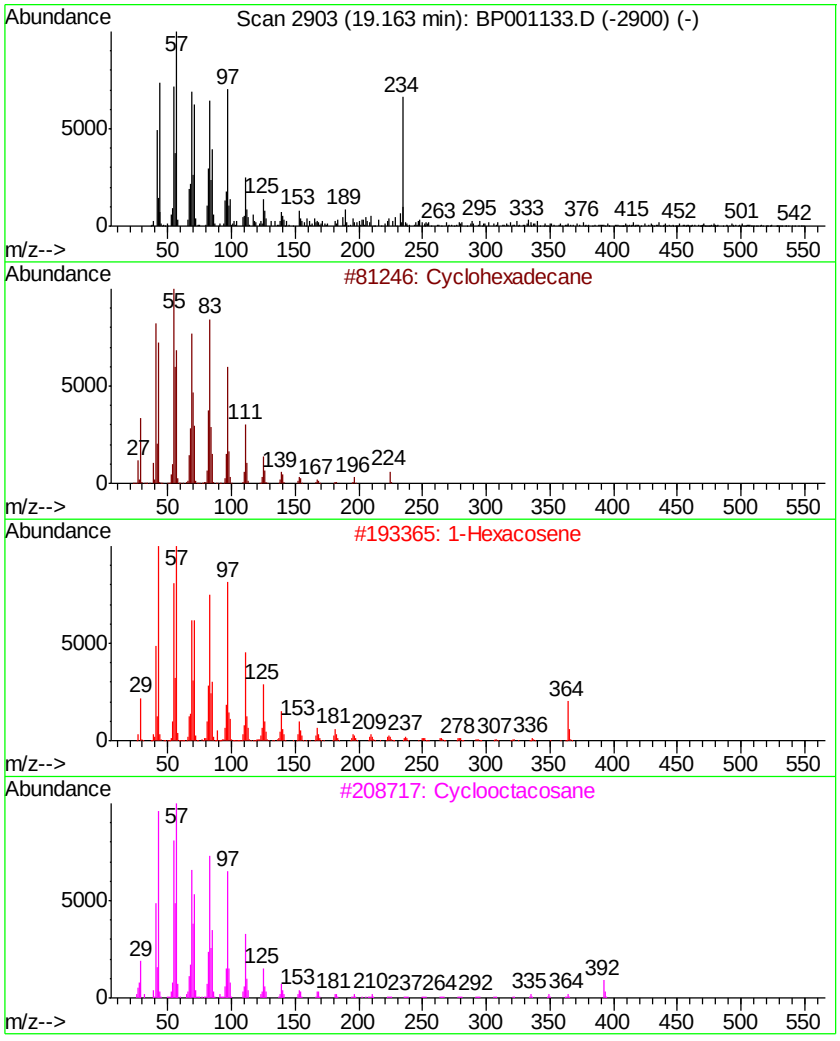
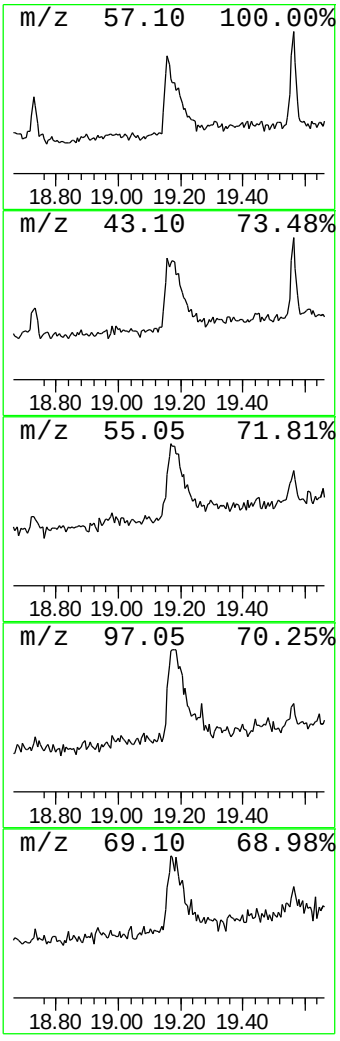
Peak Number 5 Cyclohexadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.16	2.54 ng	208725	Chrysene-d12	19.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	95
2	1-Hexacosene	364	C26H52	018835-33-1	92
3	Cyclooctacosane	392	C28H56	000297-24-5	90
4	1-Heptacosanol	396	C27H56O	002004-39-9	76
5	1-Hentetracontanol	593	C41H84O	040710-42-7	76





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120219\
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Acq On : 02 Dec 2019 18:43
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Sample : K6022-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-17-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

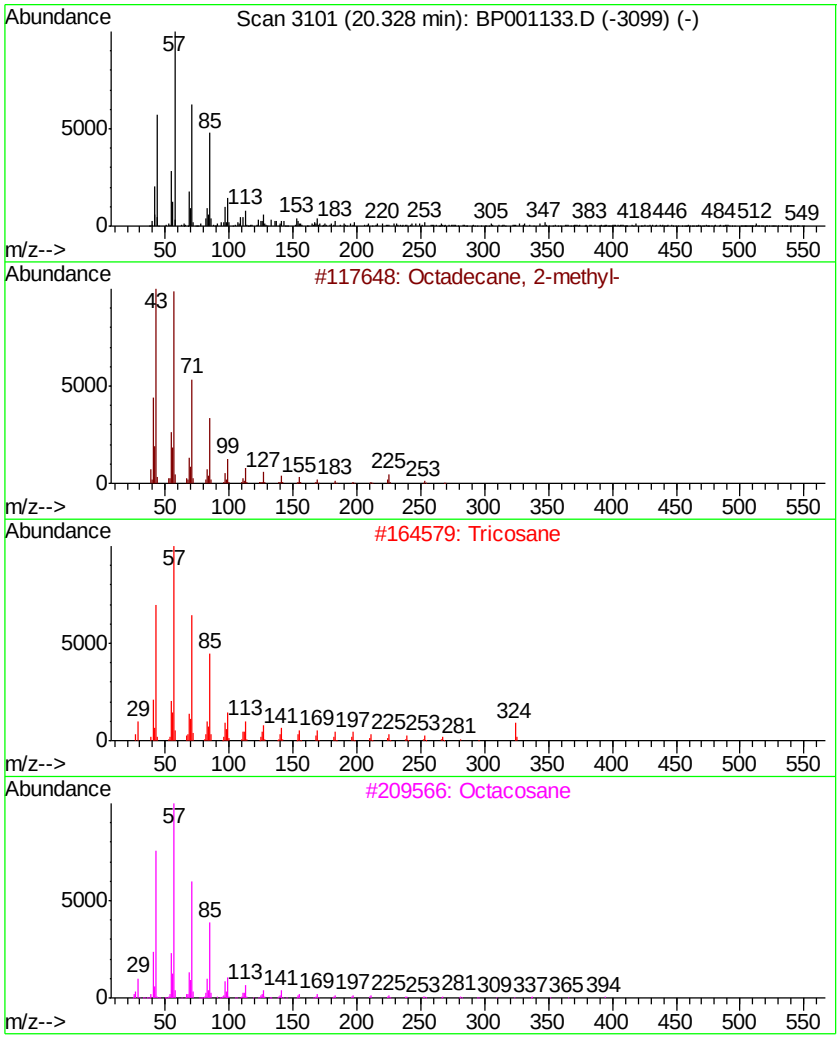
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

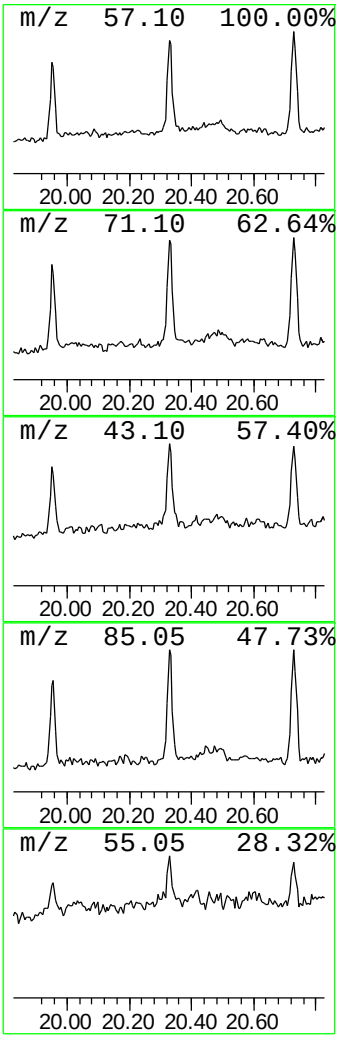
****

Peak Number 6 Octadecane, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.33	2.62 ng	154858	Perylene-d12	21.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane, 2-methyl-	268	C19H40	001560-88-9	93
2	Tricosane	324	C23H48	000638-67-5	90
3	Octacosane	394	C28H58	000630-02-4	86
4	Hexacosane	366	C26H54	000630-01-3	86
5	Heptacosane	380	C27H56	000593-49-7	86





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Acq On : 02 Dec 2019 18:43
Operator : JU
Sample : K6022-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-17-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.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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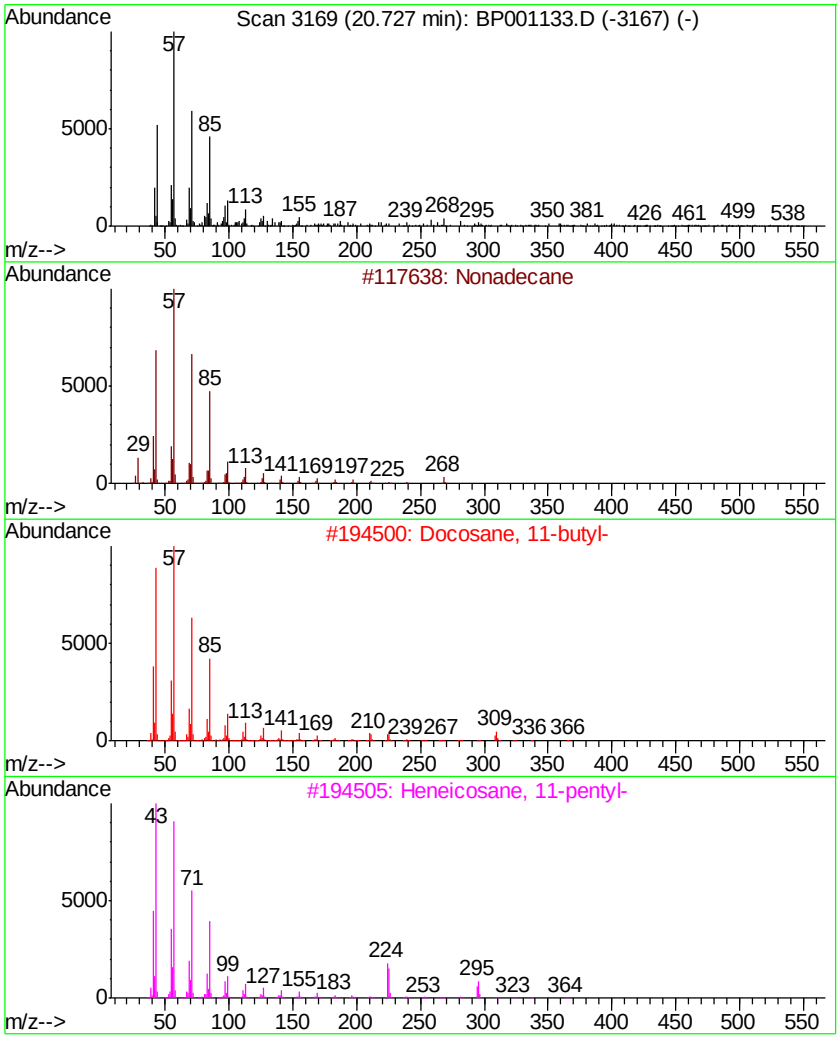
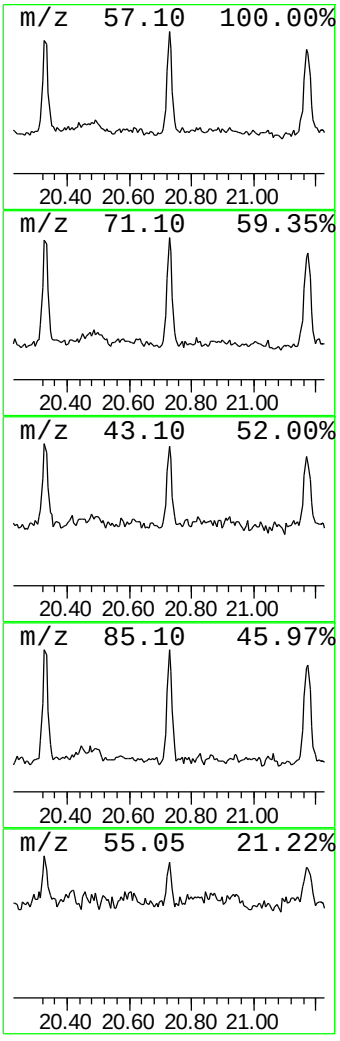
Peak Number 7 Nonadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.73	2.32 ng	137388	Perylene-d12	21.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	90
2	Docosane, 11-butyl-	366	C26H54	013475-76-8	90
3	Heneicosane, 11-pentyl-	366	C26H54	014739-72-1	81
4	Pentadecane	212	C15H32	000629-62-9	81
5	Octacosane	394	C28H58	000630-02-4	78





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Acq On : 02 Dec 2019 18:43
Operator : JU
Sample : K6022-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-17-S

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

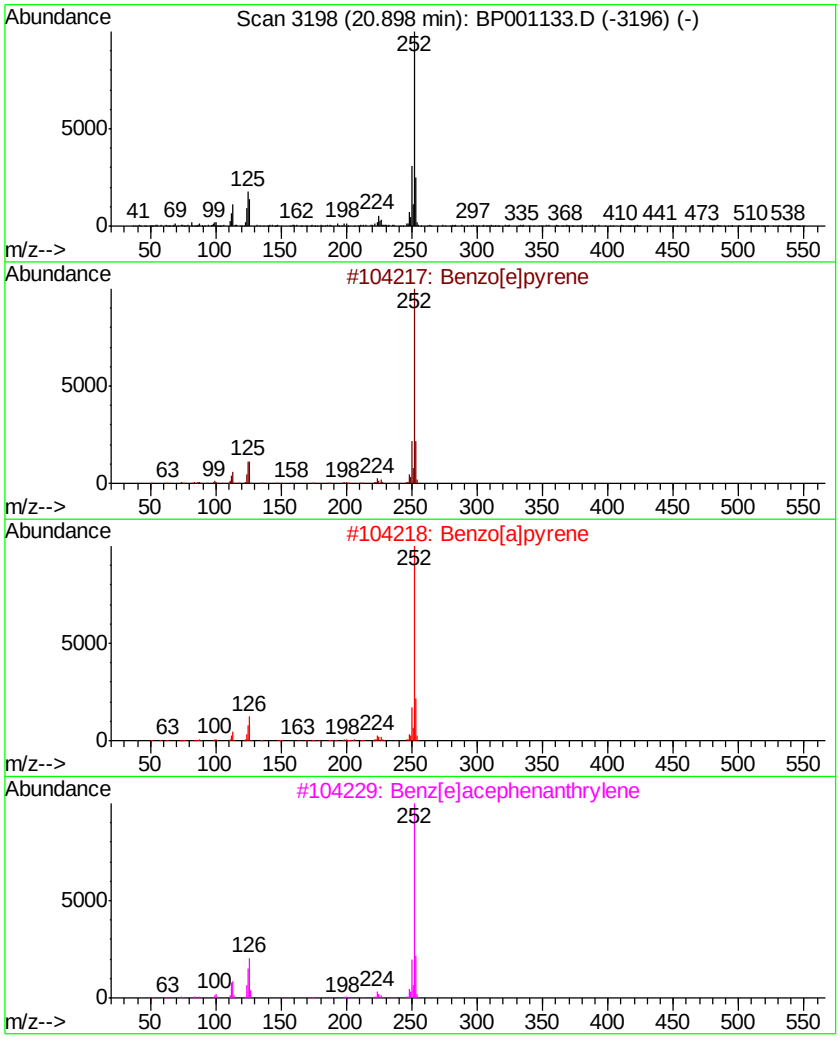
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

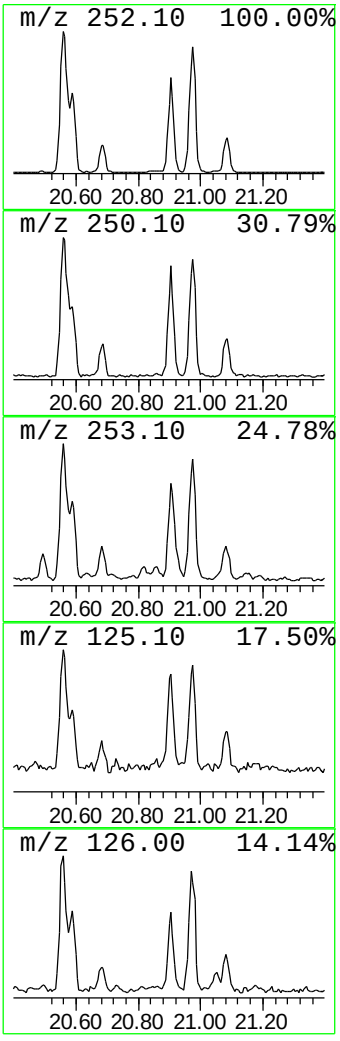
****

Peak Number 8 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.90	3.86 ng	228836	Perylene-d12	21.05

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	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP120219\
Data File : BP001133.D
Acq On : 02 Dec 2019 18:43
Operator : JU
Sample : K6022-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-17-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.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...	5.64	18.7	ng	881420	1	8.33	944423	20.0
unknown7.96	7.96	86.8	ng	4100440	1	8.33	944423	20.0
n-Hexadecanoic acid	16.51	2.3	ng	153243	4	15.62	1354650	20.0
Cyclohexadecane	19.16	2.5	ng	208725	5	19.27	1642210	20.0
Octadecane, 2-met...	20.33	2.6	ng	154858	6	21.05	1184170	20.0
Nonadecane	20.73	2.3	ng	137388	6	21.05	1184170	20.0
Benzo[e]pyrene	20.90	3.9	ng	228836	6	21.05	1184170	20.0