LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011520\
Data File : BP001622.D
Acq On : 15 Jan 2020 22:28
Operator : JU
Sample : L1126-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BW-1-3.0

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-BP010820.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	2.870	10	14	23	rVV2	32840	60896	3.75%	0.356%
2	2.952	24	28	39	rVB	195649	227947	14.02%	1.331%
3	4.799	337	342	353	rVB	146666	203686	12.53%	1.189%
4	5.264	415	421	431	rBV	612593	886318	54.51%	5.174%
5	6.828	680	687	701	rBV	660855	1059585	65.16%	6.186%
6	7.175	739	746	758	rBV	645416	1018368	62.63%	5.945%
7	7.634	817	824	833	rVB	188271	288116	17.72%	1.682%
8	7.952	870	878	886	rBV	508959	795109	48.90%	4.642%
9	8.781	1010	1019	1032	rBV	396851	668851	41.13%	3.905%
10	10.410	1289	1296	1302	rBV	212693	354451	21.80%	2.069%
11	12.898	1712	1719	1740	rBV	906205	1311501	80.66%	7.657%
12	13.204	1766	1771	1777	rBV2	16962	26601	1.64%	0.155%
13	13.745	1853	1863	1872	rBV	76119	120703	7.42%	0.705%
14	13.957	1894	1899	1901	rBV2	23063	33334	2.05%	0.195%
15	13.998	1901	1906	1912	rVB	56868	93225	5.73%	0.544%
16	14.281	1948	1954	1962	rBV	313454	466022	28.66%	2.721%
17	15.181	2100	2107	2111	rBV6	8791	16979	1.04%	0.099%
18	15.781	2203	2209	2221	rBV	741333	1047624	64.43%	6.116%
19	16.045	2246	2254	2257	rBV10	8626	20043	1.23%	0.117%
20	16.787	2375	2380	2386	rBV9	7068	16808	1.03%	0.098%
21	17.045	2418	2424	2428	rBV	384492	526877	32.40%	3.076%
22	17.086	2428	2431	2436	rVB	93520	123284	7.58%	0.720%
23	17.175	2441	2446	2452	rVB	57438	82551	5.08%	0.482%
24	17.922	2568	2573	2577	rBV	37676	53618	3.30%	0.313%
25	17.969	2577	2581	2589	rVV3	79273	125473	7.72%	0.733%
26	18.045	2590	2594	2599	rVV2	26863	49548	3.05%	0.289%
27	18.104	2599	2604	2609	rVV2	63855	132052	8.12%	0.771%
28	18.145	2609	2611	2619	rVB2	32797	43636	2.68%	0.255%
29	18.410	2653	2656	2659	rBV	19461	23571	1.45%	0.138%
30	18.651	2695	2697	2701	rVB2	15056	17288	1.06%	0.101%
31	18.704	2703	2706	2708	rBV	15523	17438	1.07%	0.102%
32	18.816	2721	2725	2730	rBV	76059	124151	7.64%	0.725%
33	18.951	2745	2748	2755	rVB4	28761	45458	2.80%	0.265%
34	19.069	2763	2768	2775	rBV	490085	641649	39.46%	3.746%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011520\
Data File : BP001622.D
Acq On : 15 Jan 2020 22:28
Operator : JU
Sample : L1126-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BW-1-3.0

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-BP010820.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	19.216	2790	2793	2796	rVB	41512	47799	2.94%	0.279%
36	19.422	2820	2828	2836	rBV	486469	762260	46.88%	4.450%
37	19.633	2859	2864	2875	rVB	1341392	1626022	100.00%	9.493%
38	19.745	2879	2883	2890	rBV3	48914	106237	6.53%	0.620%
39	19.880	2902	2906	2908	rBV4	38356	63233	3.89%	0.369%
40	19.910	2908	2911	2915	rVB3	92523	113490	6.98%	0.663%
41	20.010	2925	2928	2933	rVB2	51275	62638	3.85%	0.366%
42	20.063	2933	2937	2941	rBV2	80861	113182	6.96%	0.661%
43	20.198	2957	2960	2964	rVB	44680	56026	3.45%	0.327%
44	20.245	2965	2968	2971	rBV	45807	53802	3.31%	0.314%
45	20.839	3067	3069	3072	rBV	43396	46329	2.85%	0.270%
46	20.898	3076	3079	3083	rVV3	121921	170348	10.48%	0.994%
47	21.145	3115	3121	3125	rBV2	532928	1086162	66.80%	6.341%
48	21.186	3125	3128	3139	rVB	336988	479860	29.51%	2.801%
49	22.716	3384	3388	3393	rBV2	251385	543073	33.40%	3.170%
50	23.198	3466	3470	3478	rVB	167832	288959	17.77%	1.687%
51	23.292	3481	3486	3491	rBV	232868	434747	26.74%	2.538%
52	23.386	3498	3502	3507	rVB	215588	352246	21.66%	2.056%

Sum of corrected areas: 17129174

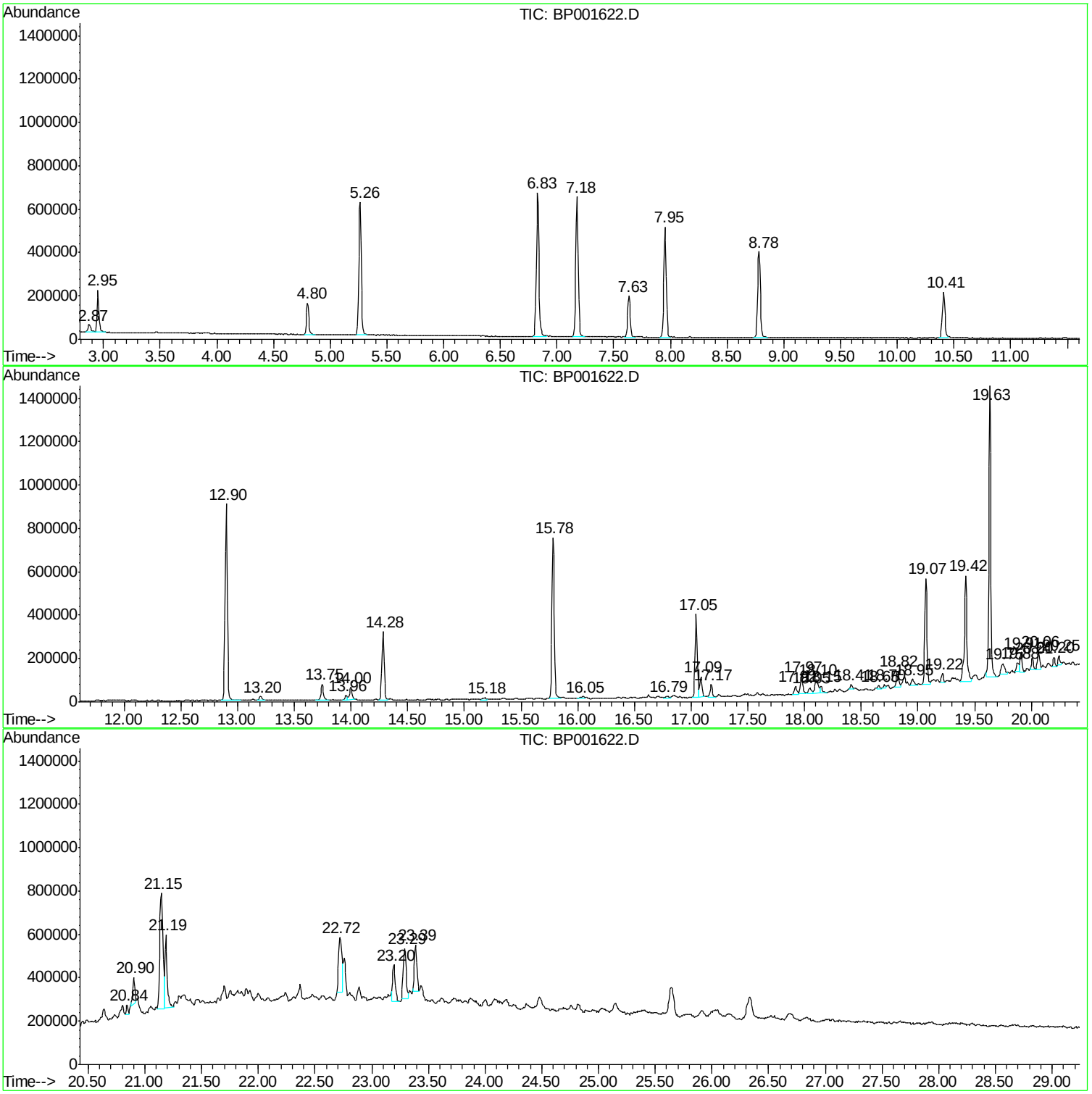
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011520\
Data File : BP001622.D
Acq On : 15 Jan 2020 22:28
Operator : JU
Sample : L1126-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BW-1-3.0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.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\BP011520\
Data File : BP001622.D
Acq On : 15 Jan 2020 22:28
Operator : JU
Sample : L1126-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BW-1-3.0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

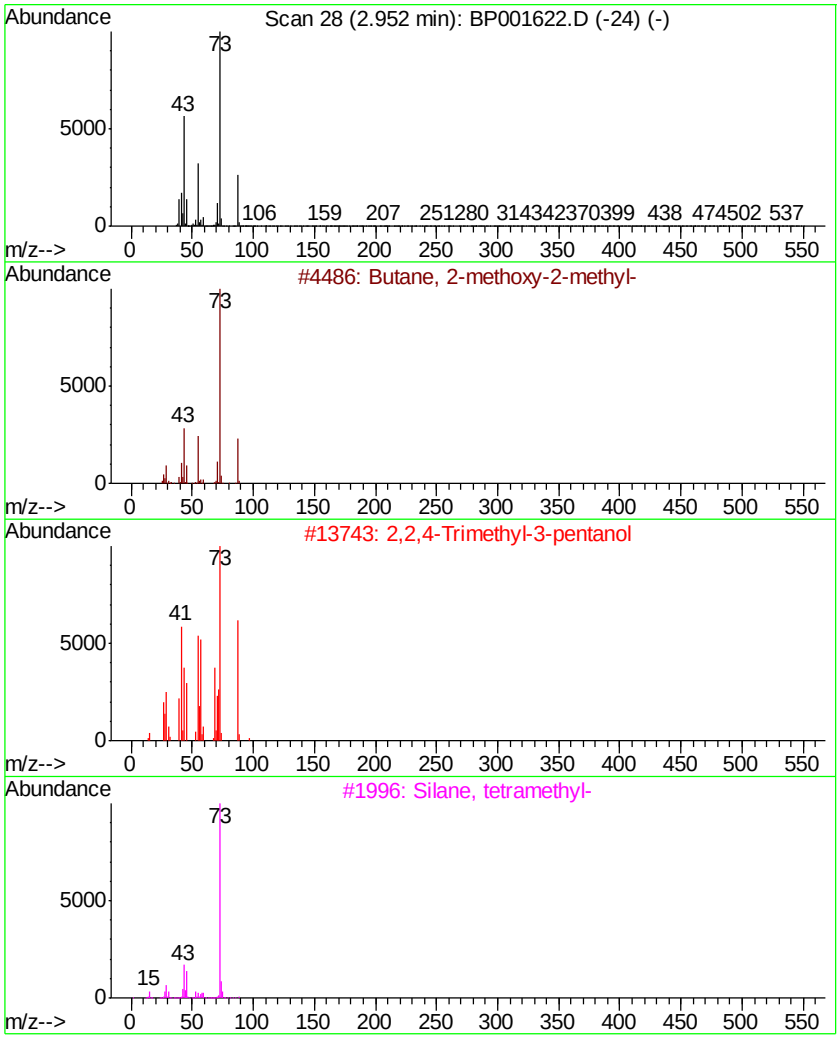
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

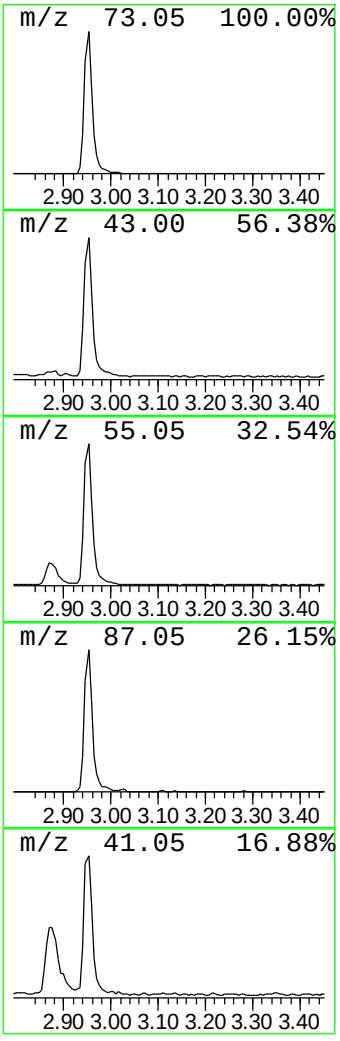
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.95	15.82 ng	227947	1,4-Dichlorobenzene-d4	7.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	32
4	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	25
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011520\
Data File : BP001622.D
Acq On : 15 Jan 2020 22:28
Operator : JU
Sample : L1126-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BW-1-3.0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

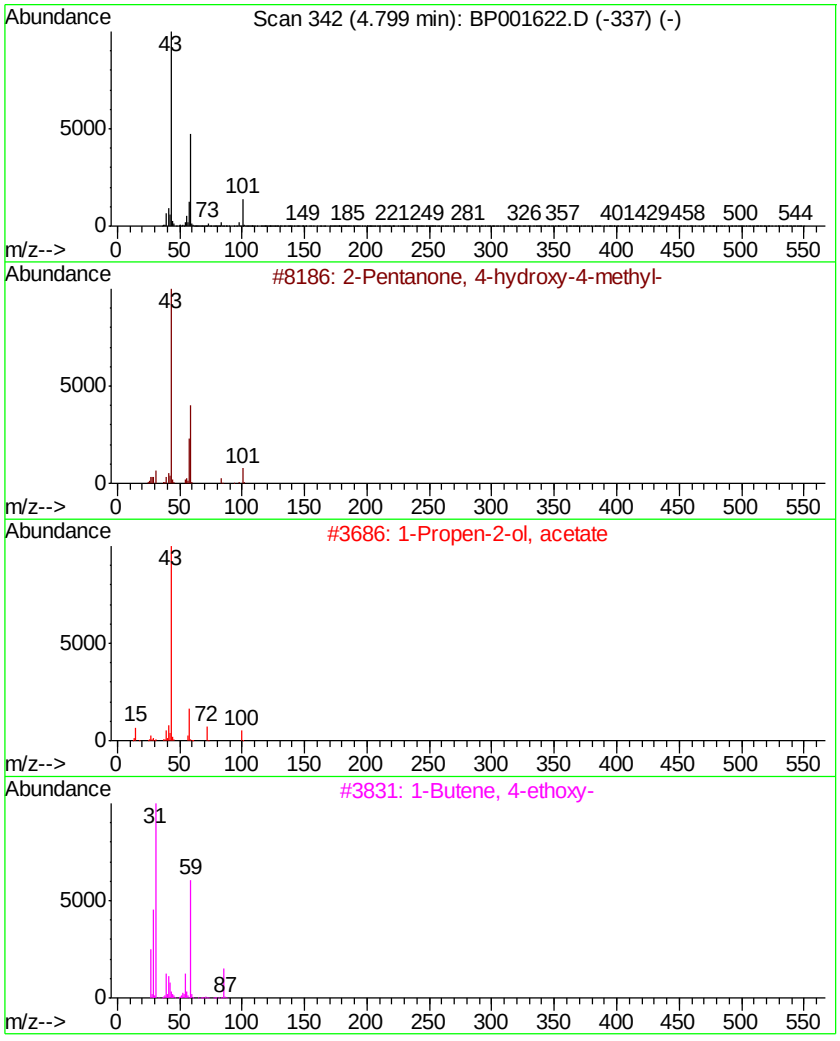
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

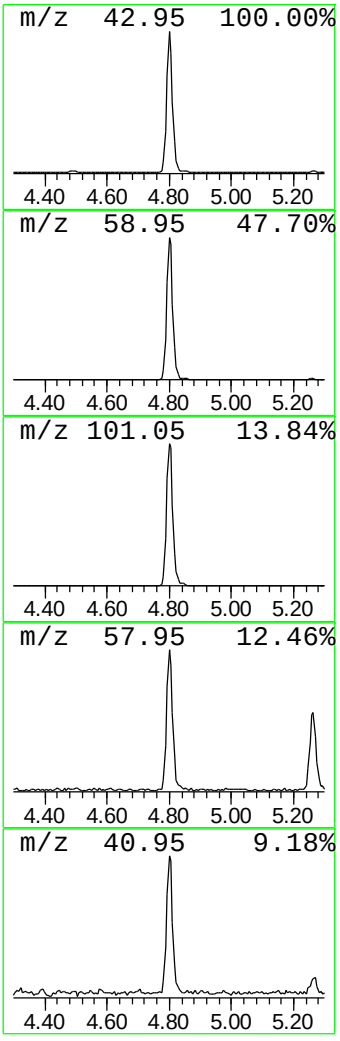
****

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.80	14.14 ng	203686	1,4-Dichlorobenzene-d4	7.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
3	1-Butene, 4-ethoxy-	100	C6H12O	044611-46-3	9
4	2-Propanone, 1-(1-methylethoxy)-	116	C6H12O2	042781-12-4	9
5	Butanoic acid, 4-amino-3-hydroxy...	119	C4H9NO3	000924-49-2	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011520\
Data File : BP001622.D
Acq On : 15 Jan 2020 22:28
Operator : JU
Sample : L1126-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BW-1-3.0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

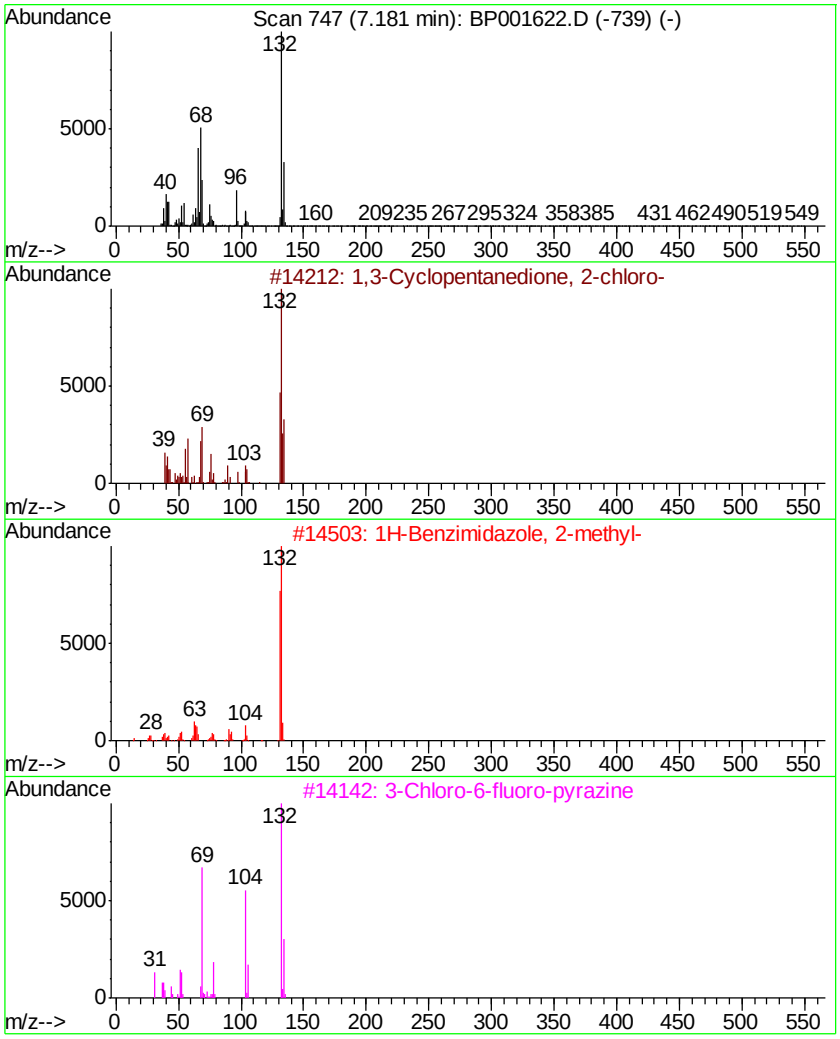
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

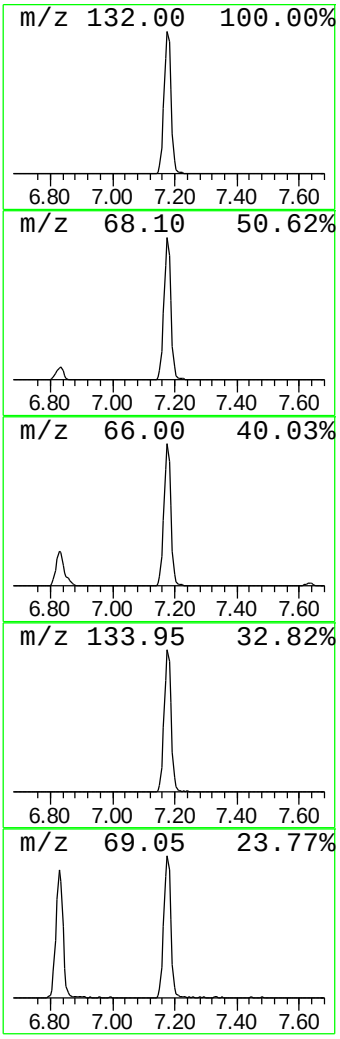
****

Peak Number 4 unknown7.18 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.18	70.69 ng	1018370	1,4-Dichlorobenzene-d4	7.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	22
2	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	14
3	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	14
4	1,2,4-Trifluorobenzene	132	C6H3F3	000367-23-7	10
5	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011520\
Data File : BP001622.D
Acq On : 15 Jan 2020 22:28
Operator : JU
Sample : L1126-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BW-1-3.0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

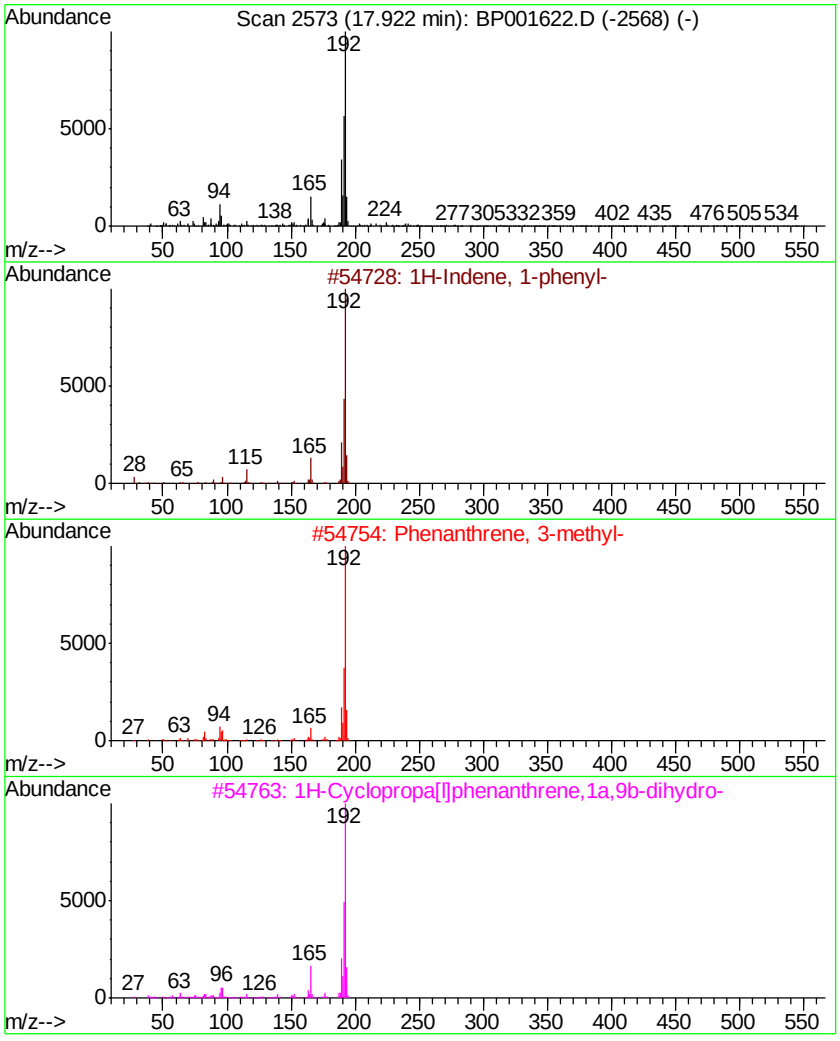
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

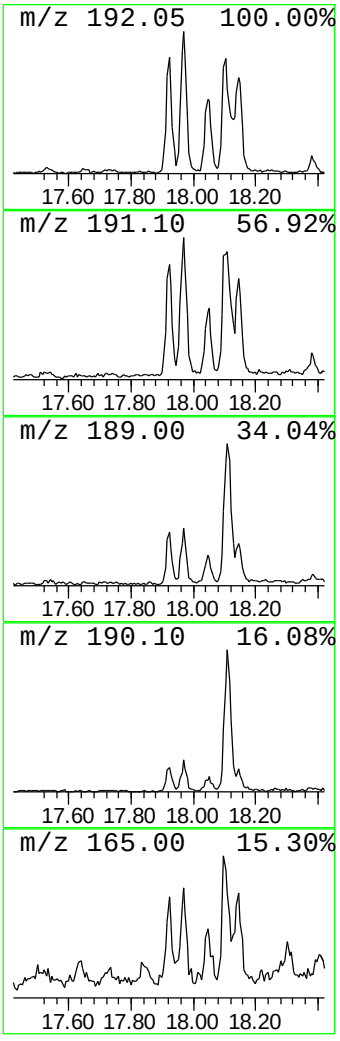
****

Peak Number 6 1H-Indene, 1-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.92	2.04 ng	53618	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
2	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	92
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011520\
Data File : BP001622.D
Acq On : 15 Jan 2020 22:28
Operator : JU
Sample : L1126-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BW-1-3.0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

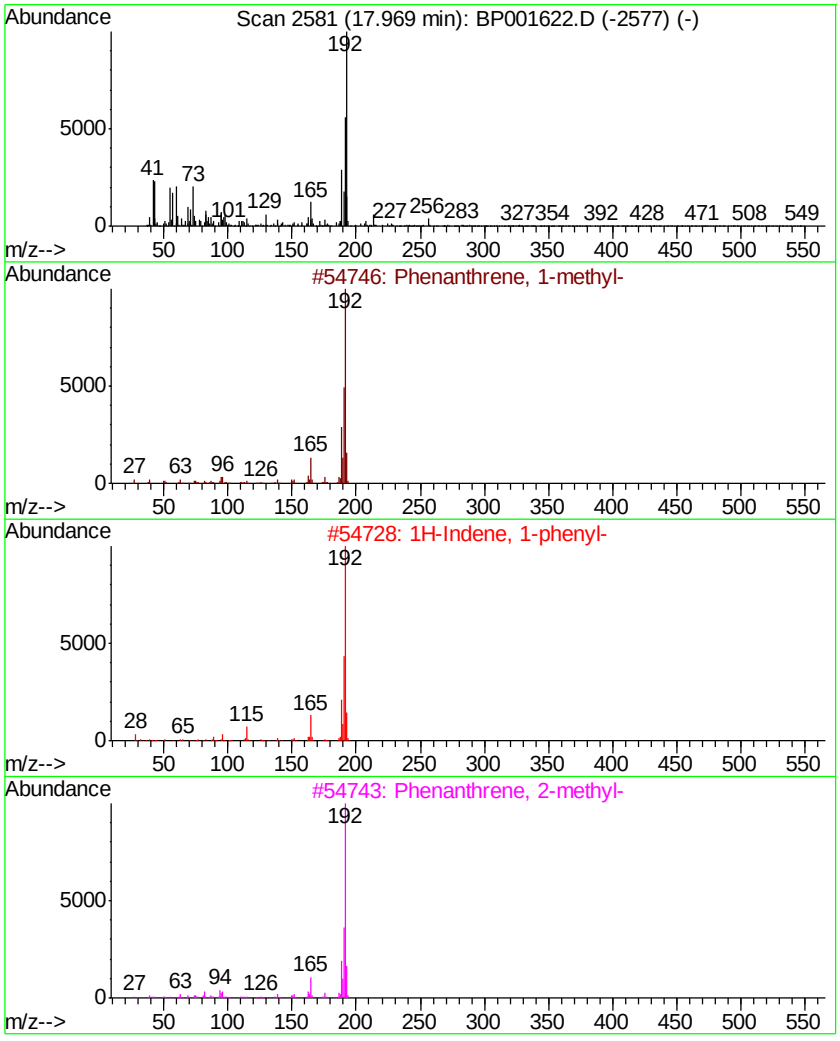
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

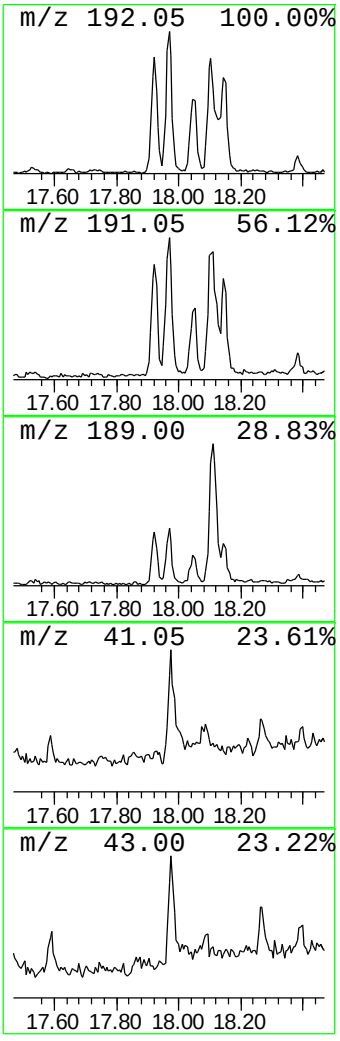
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	4.76 ng	125473	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	89
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011520\
Data File : BP001622.D
Acq On : 15 Jan 2020 22:28
Operator : JU
Sample : L1126-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BW-1-3.0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

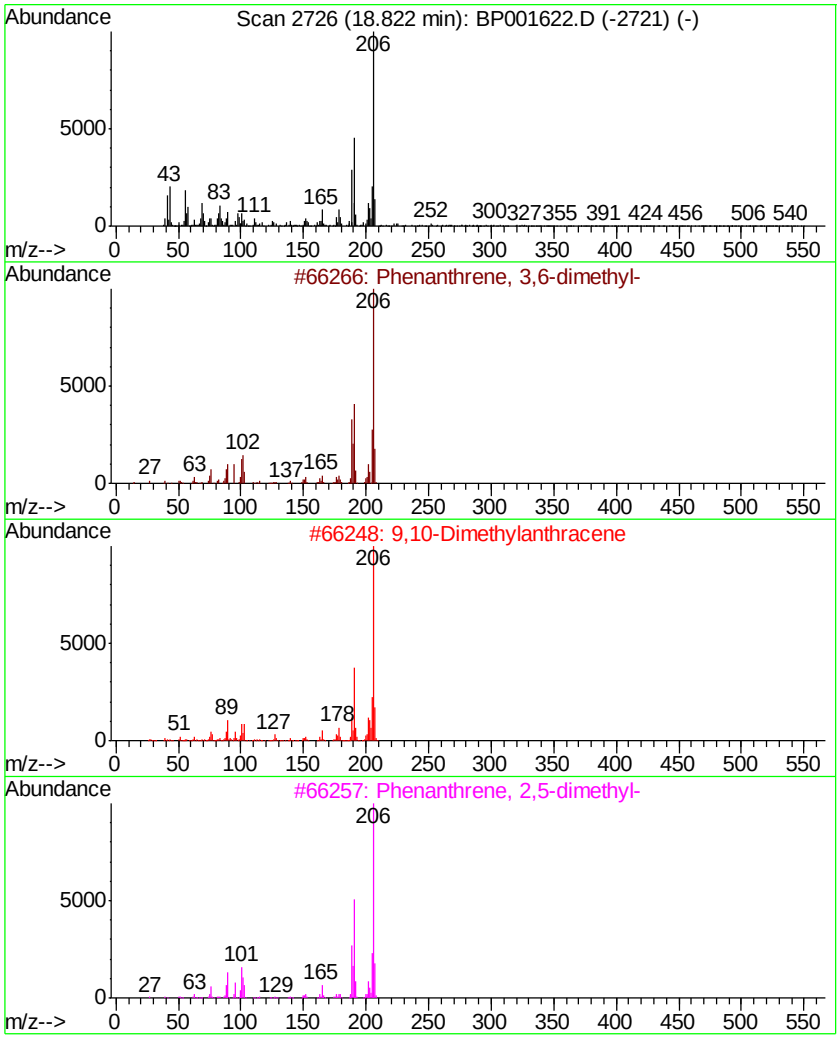
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

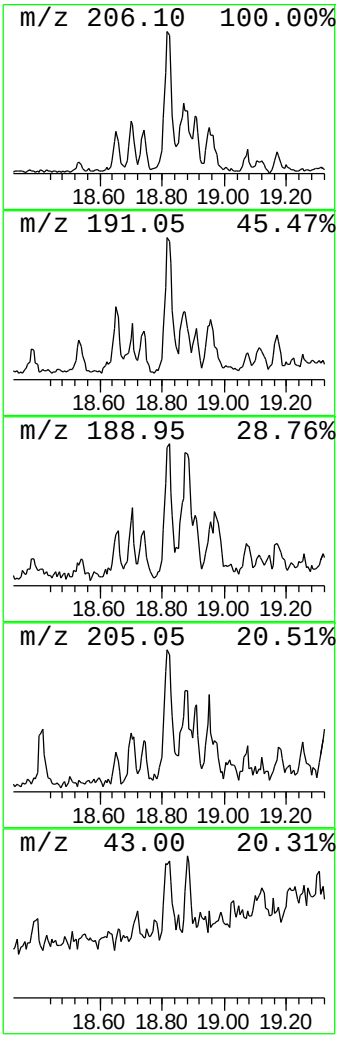
****

Peak Number 9 Phenanthrene, 3,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	4.71 ng	124151	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	74





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011520\
Data File : BP001622.D
Acq On : 15 Jan 2020 22:28
Operator : JU
Sample : L1126-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BW-1-3.0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

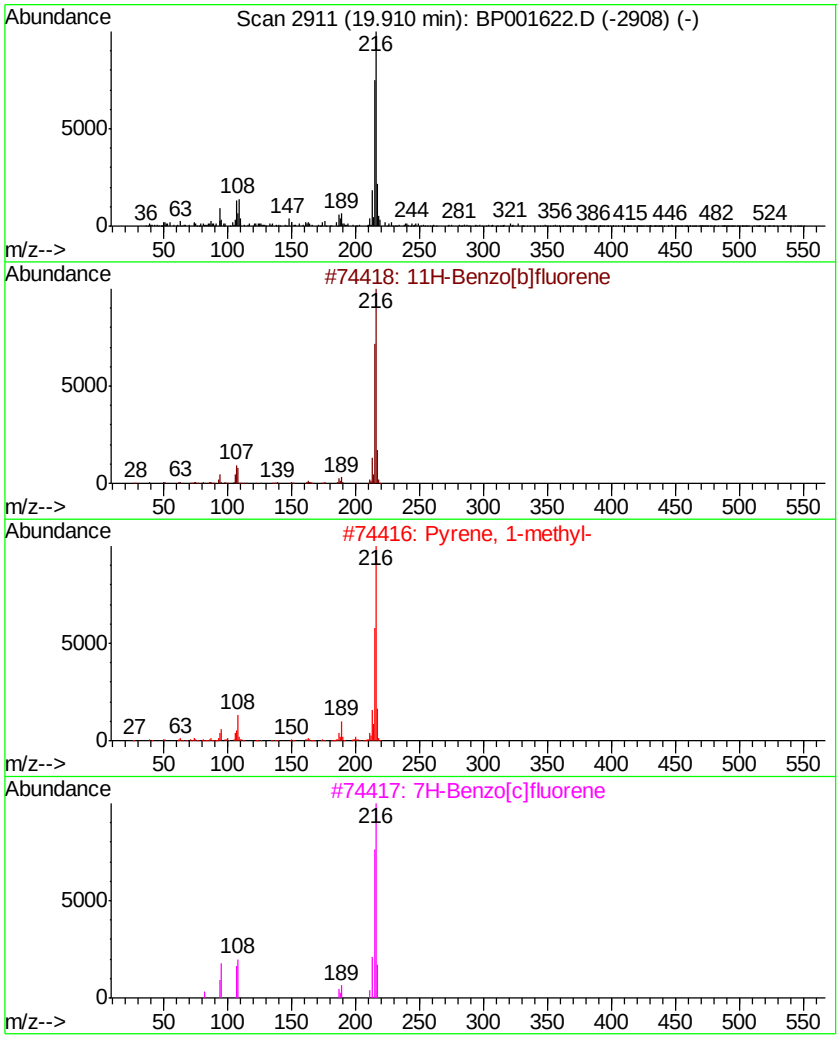
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

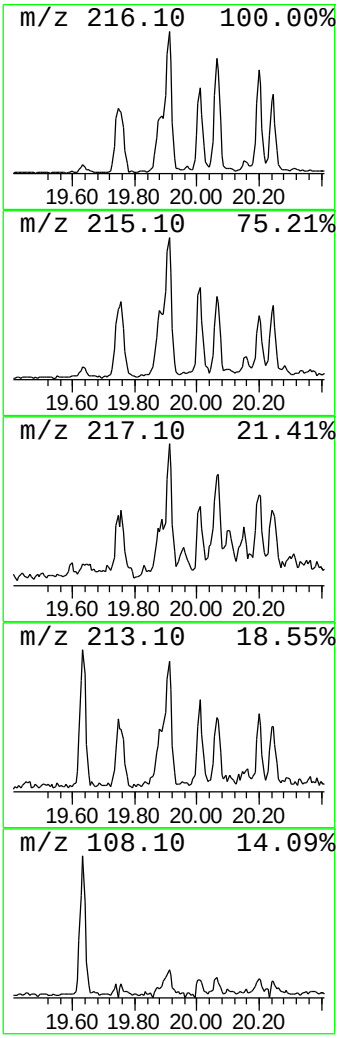
****

Peak Number 10 11H-Benzo[b]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.91	2.09 ng	113490	Chrysene-d12	21.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011520\
Data File : BP001622.D
Acq On : 15 Jan 2020 22:28
Operator : JU
Sample : L1126-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BW-1-3.0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

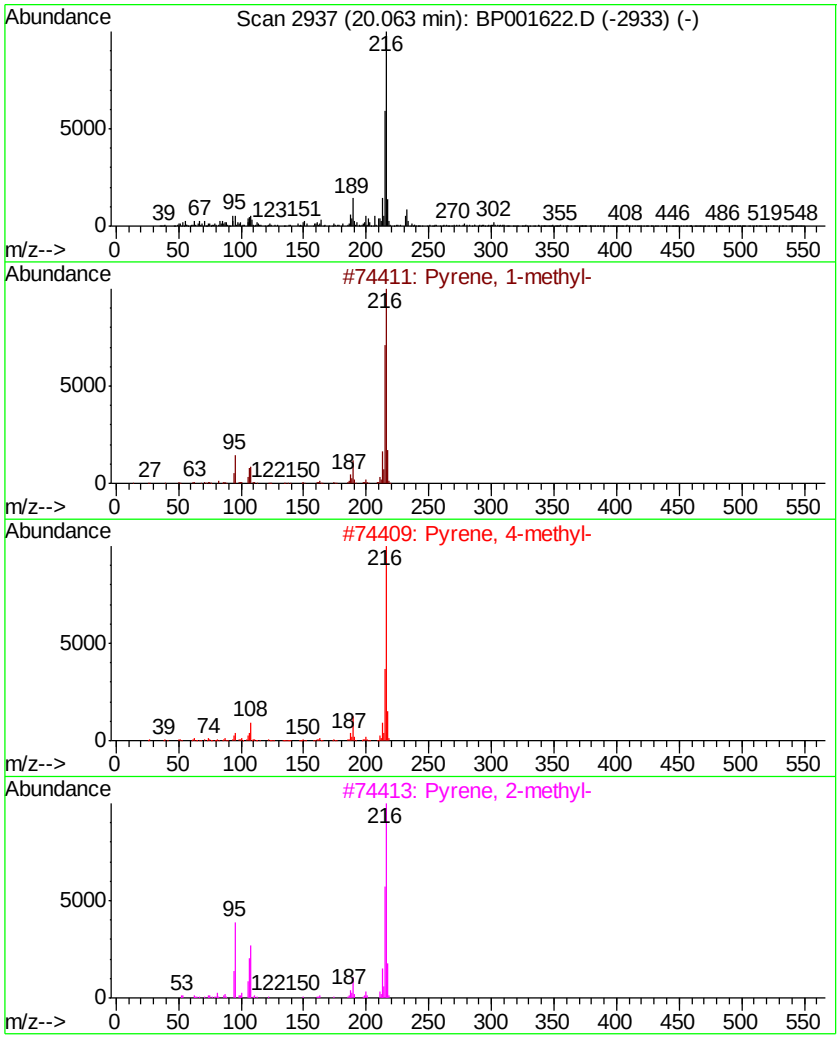
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

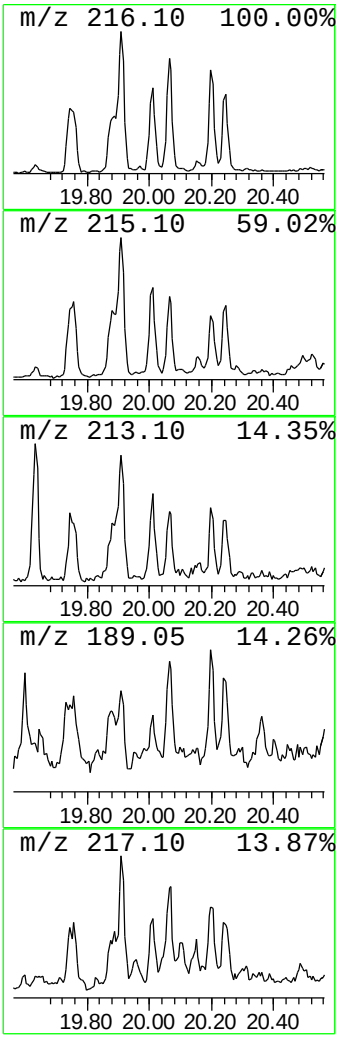
****

Peak Number 11 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.06	2.08 ng	113182	Chrysene-d12	21.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011520\
Data File : BP001622.D
Acq On : 15 Jan 2020 22:28
Operator : JU
Sample : L1126-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BW-1-3.0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.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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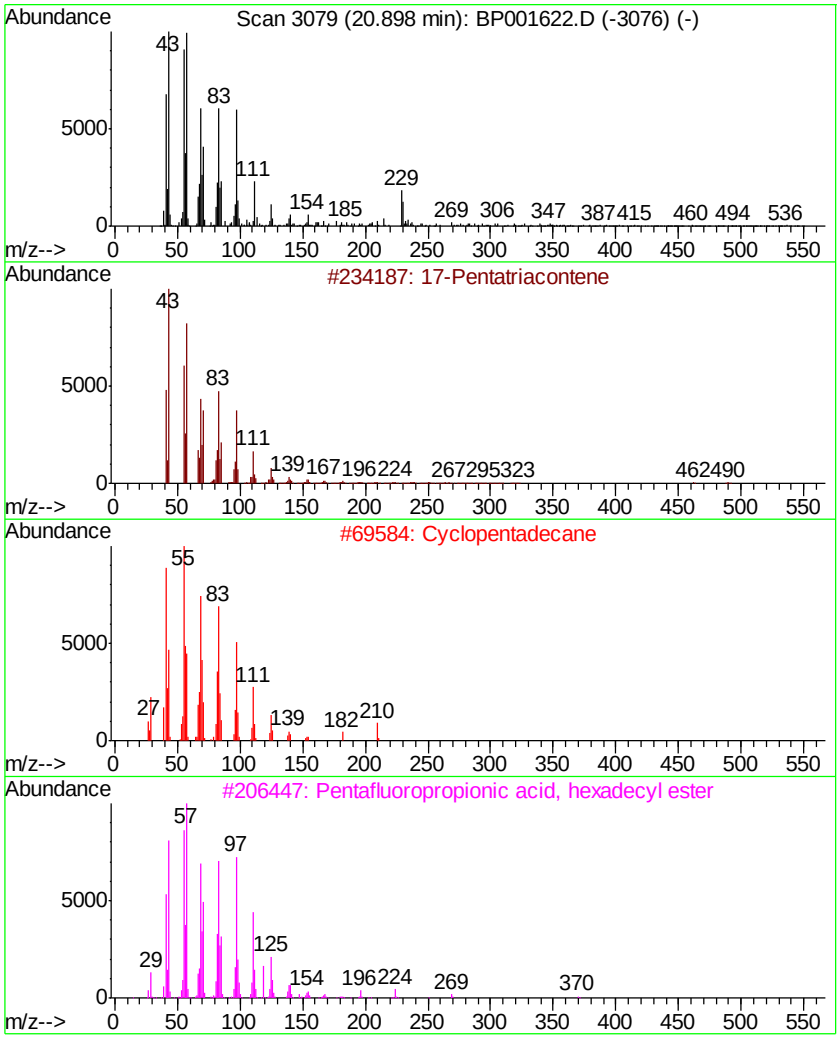
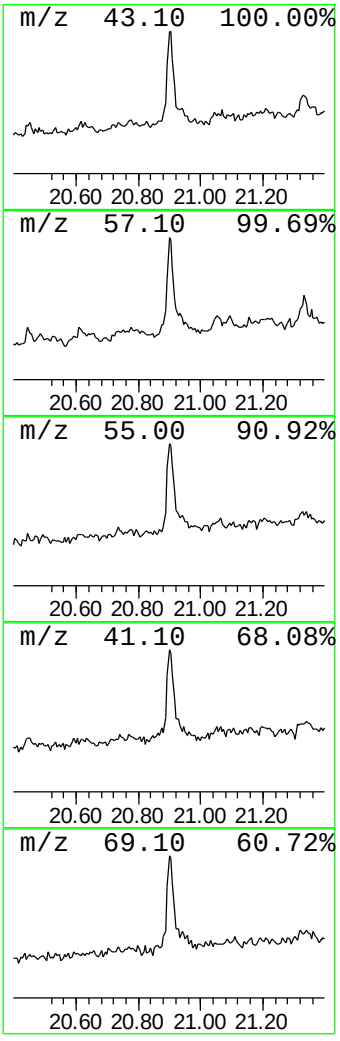
Peak Number 12 17-Pentatriacontene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.90	3.14 ng	170348	Chrysene-d12	21.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	17-Pentatriacontene	491	C35H70	006971-40-0	93
2	Cyclopentadecane	210	C15H30	000295-48-7	90
3	Pentafluoropropionic acid, hexad...	388	C19H33F5O2	006222-07-7	90
4	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	90
5	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011520\
Data File : BP001622.D
Acq On : 15 Jan 2020 22:28
Operator : JU
Sample : L1126-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BW-1-3.0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.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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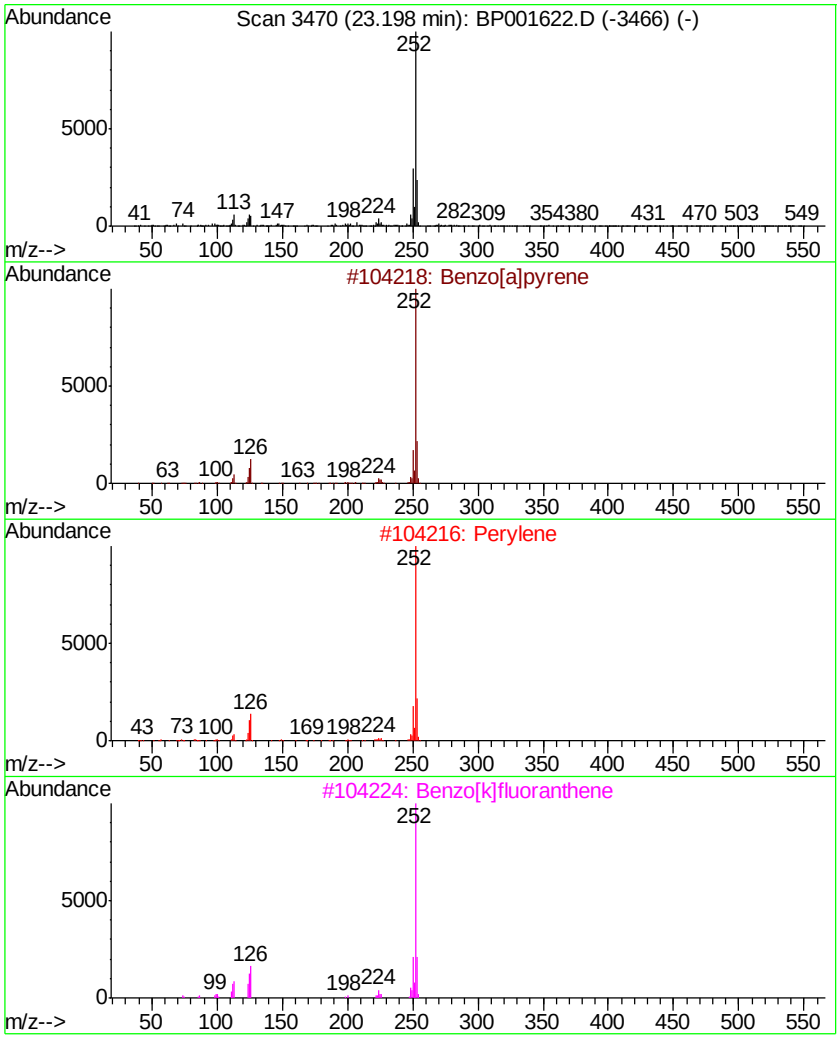
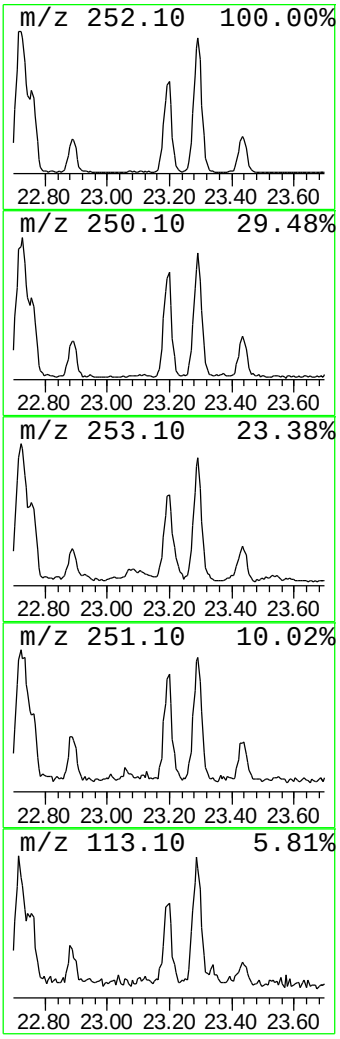
Peak Number 13 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.20	16.41 ng	288959	Perylene-d12	23.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	93
2	Perylene	252	C20H12	000198-55-0	90
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
4	Benzo[e]pyrene	252	C20H12	000192-97-2	81
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP011520\
Data File : BP001622.D
Acq On : 15 Jan 2020 22:28
Operator : JU
Sample : L1126-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BW-1-3.0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.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
Butane, 2-methoxy...	2.95	15.8	ng	227947	1	7.63	288116	20.0
2-Pentanone, 4-hy...	4.80	14.1	ng	203686	1	7.63	288116	20.0
unknown7.18	7.18	70.7	ng	1018370	1	7.63	288116	20.0
1H-Indene, 1-phenyl-	17.92	2.0	ng	53618	4	17.05	526877	20.0
Phenanthrene, 1-m...	17.97	4.8	ng	125473	4	17.05	526877	20.0
Phenanthrene, 3,6...	18.82	4.7	ng	124151	4	17.05	526877	20.0
11H-Benzo[b]fluorene	19.91	2.1	ng	113490	5	21.15	1086160	20.0
Pyrene, 1-methyl-	20.06	2.1	ng	113182	5	21.15	1086160	20.0
17-Pentatriacontene	20.90	3.1	ng	170348	5	21.15	1086160	20.0
Perylene	23.20	16.4	ng	288959	6	23.39	352246	20.0