LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010620\
Data File : BP001532.D
Acq On : 06 Jan 2020 16:32
Operator : JU
Sample : K6113-16 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OR-02-123119

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-BP010320.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	3.005	32	37	49	rVB	83287	118523	2.77%	0.298%
2	4.875	350	355	362	rVB	99032	133759	3.13%	0.337%
3	5.322	424	431	443	rVB	449190	663391	15.53%	1.670%
4	6.887	690	697	709	rVB	512609	804882	18.84%	2.026%
5	7.228	748	755	767	rVB	492181	757376	17.73%	1.907%
6	7.681	824	832	840	rBV	267556	414794	9.71%	1.044%
7	7.999	873	886	893	rBV	383271	607934	14.23%	1.531%
8	8.828	1014	1027	1039	rBV	311168	516727	12.09%	1.301%
9	10.457	1296	1304	1309	rBV	346699	583435	13.66%	1.469%
10	10.505	1309	1312	1318	rVB	39420	60844	1.42%	0.153%
11	11.922	1545	1553	1559	rBV	32079	59266	1.39%	0.149%
12	12.128	1579	1588	1598	rVB2	40257	85607	2.00%	0.216%
13	12.346	1620	1625	1629	rBV	35425	49725	1.16%	0.125%
14	12.940	1720	1726	1734	rVB	693637	997313	23.34%	2.511%
15	13.175	1757	1766	1773	rBV3	41336	80627	1.89%	0.203%
16	13.481	1814	1818	1826	rBV2	25898	62355	1.46%	0.157%
17	13.646	1840	1846	1850	rVV	41534	65436	1.53%	0.165%
18	13.698	1850	1855	1860	rVB	33038	49564	1.16%	0.125%
19	14.040	1905	1913	1919	rBV	78871	132877	3.11%	0.335%
20	14.257	1946	1950	1954	rBV	48630	58503	1.37%	0.147%
21	14.322	1954	1961	1967	rVV2	461877	714447	16.72%	1.799%
22	14.387	1967	1972	1980	rVB	128420	194635	4.56%	0.490%
23	14.722	2023	2029	2035	rBV	106231	167176	3.91%	0.421%
24	14.951	2062	2068	2072	rBV5	26105	47105	1.10%	0.119%
25	15.216	2108	2113	2119	rVB2	49245	72492	1.70%	0.183%
26	15.375	2135	2140	2146	rBV2	202418	284731	6.66%	0.717%
27	15.675	2187	2191	2197	rBV	45354	61268	1.43%	0.154%
28	15.822	2206	2216	2226	rVB2	572580	903617	21.15%	2.275%
29	16.087	2257	2261	2264	rVB2	41156	43709	1.02%	0.110%
30	16.387	2305	2312	2317	rBV3	41057	81187	1.90%	0.204%
31	16.539	2334	2338	2344	rVB4	27928	49313	1.15%	0.124%
32	16.734	2368	2371	2379	rVB4	28721	55534	1.30%	0.140%
33	16.822	2382	2386	2391	rVV3	29610	57517	1.35%	0.145%
34	16.892	2393	2398	2403	rVV2	107343	191351	4.48%	0.482%

LSC Area Percent Report

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Data File : BP001532.D
Acq On : 06 Jan 2020 16:32
Operator : JU
Sample : K6113-16 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OR-02-123119

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-BP010320.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	16.939	2403	2406	2411	rVB3	33155	47593	1.11%	0.120%
36	17.081	2424	2430	2433	rBV	563187	790235	18.50%	1.990%
37	17.122	2433	2437	2443	rVV	1208242	1757086	41.13%	4.424%
38	17.216	2445	2453	2458	rVB	392488	576273	13.49%	1.451%
39	17.281	2459	2464	2470	rBV3	33979	60429	1.41%	0.152%
40	17.486	2495	2499	2504	rVB	82175	107014	2.50%	0.269%
41	17.628	2518	2523	2526	rBV2	50495	73520	1.72%	0.185%
42	17.669	2526	2530	2536	rVB2	68634	96440	2.26%	0.243%
43	17.798	2547	2552	2560	rVB	1156277	1389154	32.51%	3.498%
44	17.957	2574	2579	2583	rBV	173338	239102	5.60%	0.602%
45	18.010	2583	2588	2595	rVV2	259619	552507	12.93%	1.391%
46	18.081	2596	2600	2605	rVV	120051	164739	3.86%	0.415%
47	18.145	2605	2611	2615	rVV2	336748	574575	13.45%	1.447%
48	18.181	2615	2617	2625	rVB	122215	147331	3.45%	0.371%
49	18.304	2635	2638	2642	rVB2	39675	44098	1.03%	0.111%
50	18.445	2658	2662	2665	rBV	130403	168340	3.94%	0.424%
51	18.481	2665	2668	2675	rVB3	62190	99454	2.33%	0.250%
52	18.686	2700	2703	2708	rVB2	38528	50796	1.19%	0.128%
53	18.733	2708	2711	2714	rBV	52060	68960	1.61%	0.174%
54	18.851	2727	2731	2735	rBV	131738	198387	4.64%	0.499%
55	18.910	2736	2741	2744	rBV	3501275	4272395	100.00%	10.757%
56	18.945	2744	2747	2750	rVB	3336129	3545344	82.98%	8.926%
57	19.069	2764	2768	2770	rBV	454996	482346	11.29%	1.214%
58	19.104	2770	2774	2779	rVV	1921015	2628294	61.52%	6.617%
59	19.145	2779	2781	2784	rVB2	84893	85551	2.00%	0.215%
60	19.257	2796	2800	2803	rBV3	94503	119657	2.80%	0.301%
61	19.339	2811	2814	2818	rVB2	64107	80903	1.89%	0.204%
62	19.457	2825	2834	2842	rBV	1601733	2717971	63.62%	6.843%
63	19.528	2843	2846	2854	rVB2	80204	149932	3.51%	0.377%
64	19.633	2861	2864	2866	rBV	96508	115969	2.71%	0.292%
65	19.669	2866	2870	2874	rVV	943299	1158123	27.11%	2.916%
66	19.780	2883	2889	2894	rBV3	129586	307941	7.21%	0.775%
67	19.910	2907	2911	2912	rBV3	99145	120049	2.81%	0.302%
68	19.945	2913	2917	2921	rVB	342349	470022	11.00%	1.183%
69	20.039	2929	2933	2937	rVB	285290	382655	8.96%	0.963%
70	20.098	2938	2943	2947	rBV2	176551	273634	6.40%	0.689%
71	20.139	2947	2950	2952	rVV2	66795	69824	1.63%	0.176%

LSC Area Percent Report

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Data File : BP001532.D
Acq On : 06 Jan 2020 16:32
Operator : JU
Sample : K6113-16 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OR-02-123119

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-BP010320.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	20.228	2962	2965	2969	rBV	137174	172606	4.04%	0.435%
73	20.275	2970	2973	2978	rVV	94248	142456	3.33%	0.359%
74	20.875	3072	3075	3078	rBV	117187	115824	2.71%	0.292%
75	20.927	3078	3084	3088	rBV4	204186	409348	9.58%	1.031%
76	21.175	3121	3126	3131	rBV3	1133487	2155033	50.44%	5.426%
77	21.222	3131	3134	3141	rVB	772479	971537	22.74%	2.446%
78	21.333	3150	3153	3157	rBV	163229	214268	5.02%	0.539%
79	22.763	3391	3396	3401	rBV	554748	1243955	29.12%	3.132%
80	23.339	3489	3494	3500	rVB	501766	879720	20.59%	2.215%

Sum of corrected areas: 39718410

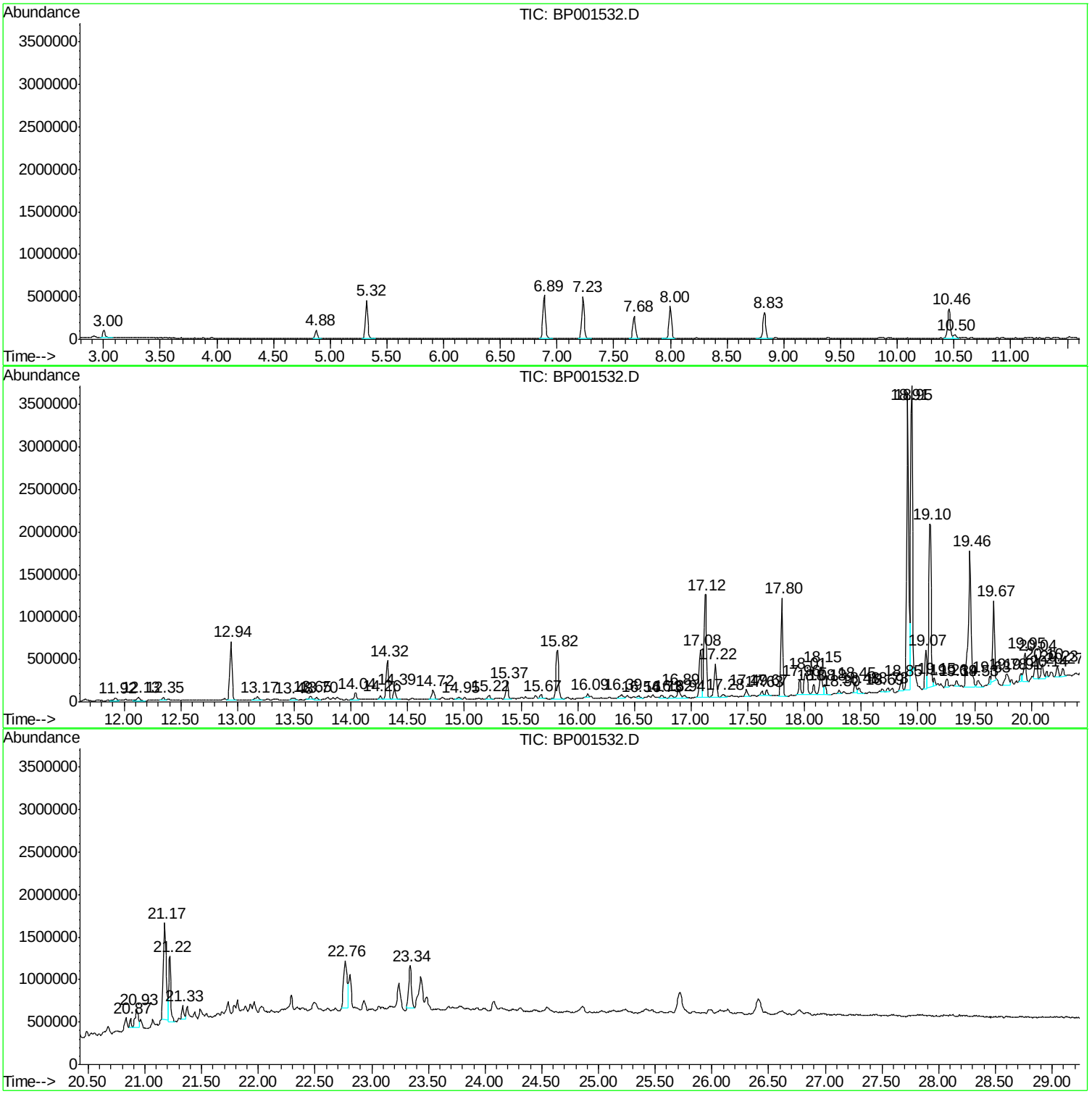
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010620\
Data File : BP001532.D
Acq On : 06 Jan 2020 16:32
Operator : JU
Sample : K6113-16 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OR-02-123119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010320.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\BP010620\
Data File : BP001532.D
Acq On : 06 Jan 2020 16:32
Operator : JU
Sample : K6113-16 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OR-02-123119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

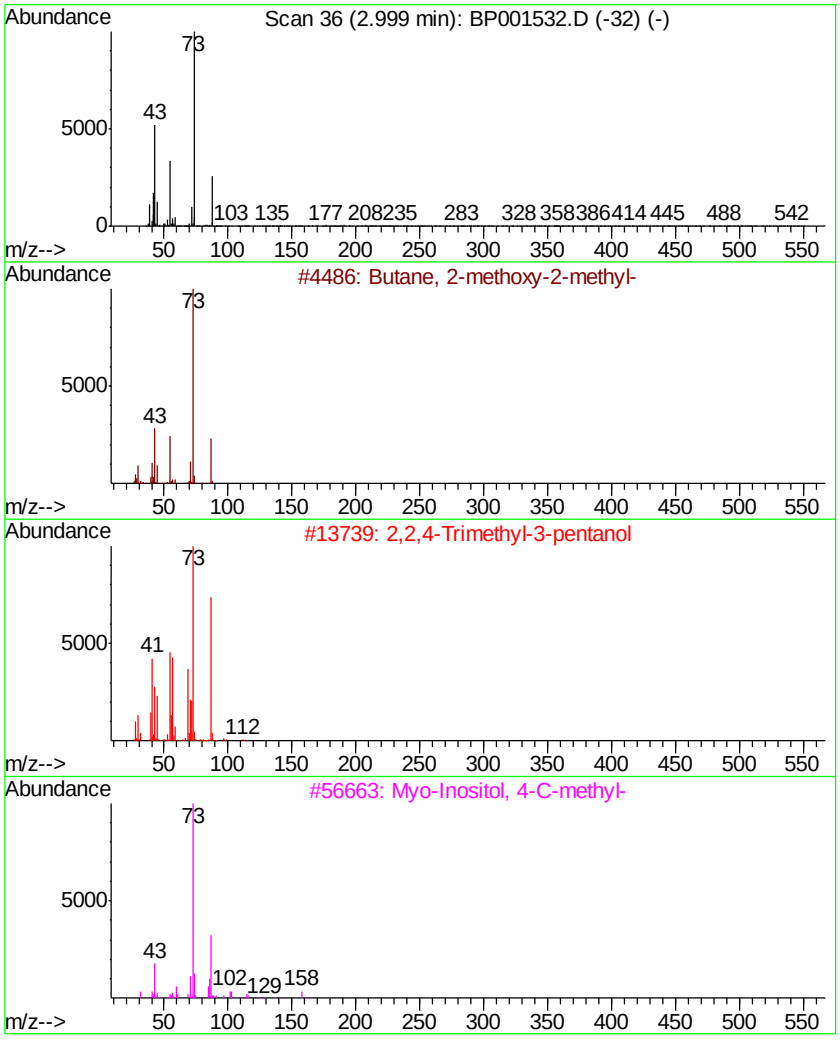
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

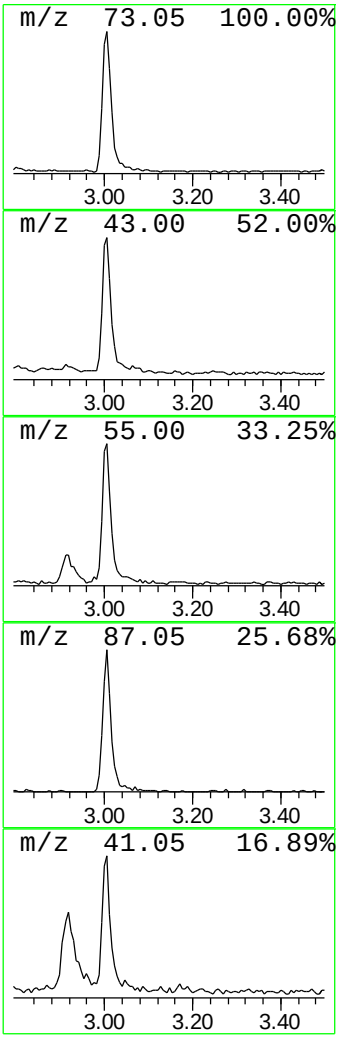
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.00	5.71 ng	118523	1,4-Dichlorobenzene-d4	7.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	Myo-Inositol, 4-C-methyl-	194	C7H14O6	000472-95-7	33
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	32
5	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	28





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010620\
Data File : BP001532.D
Acq On : 06 Jan 2020 16:32
Operator : JU
Sample : K6113-16 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OR-02-123119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

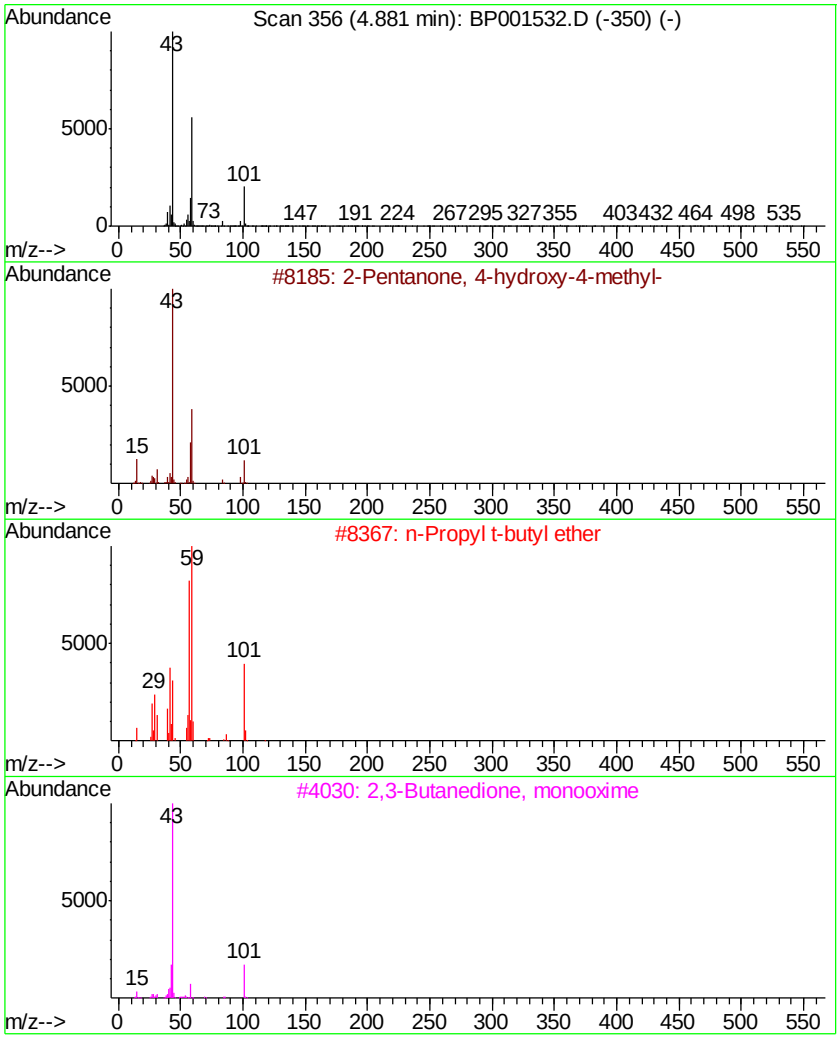
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

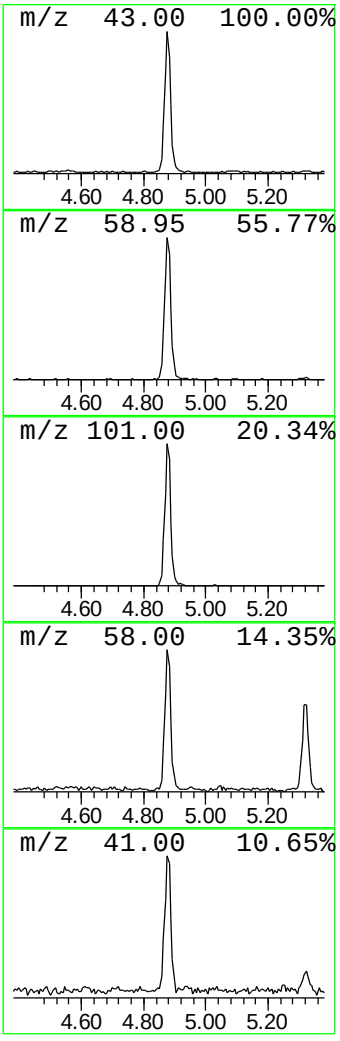
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.88	6.45 ng	133759	1,4-Dichlorobenzene-d4	7.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	n-Propyl t-butyl ether	116	C7H16O	1000334-81-9	33
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	27
4	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	23
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010620\
Data File : BP001532.D
Acq On : 06 Jan 2020 16:32
Operator : JU
Sample : K6113-16 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OR-02-123119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

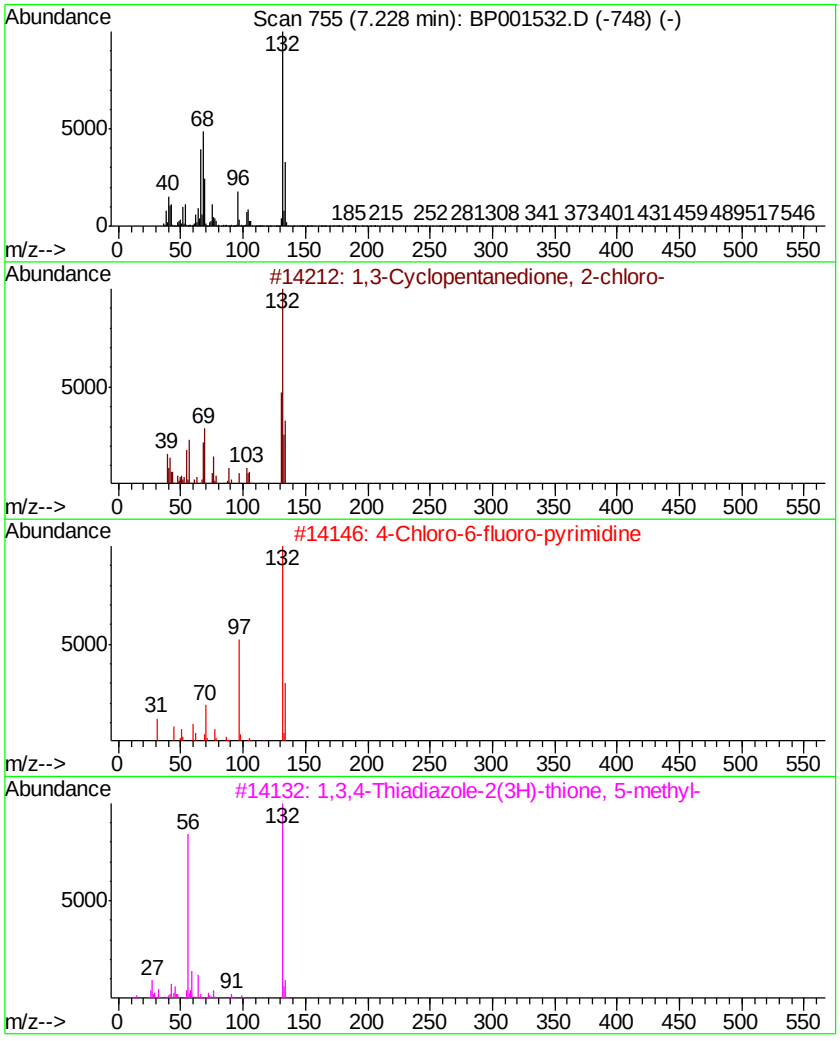
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

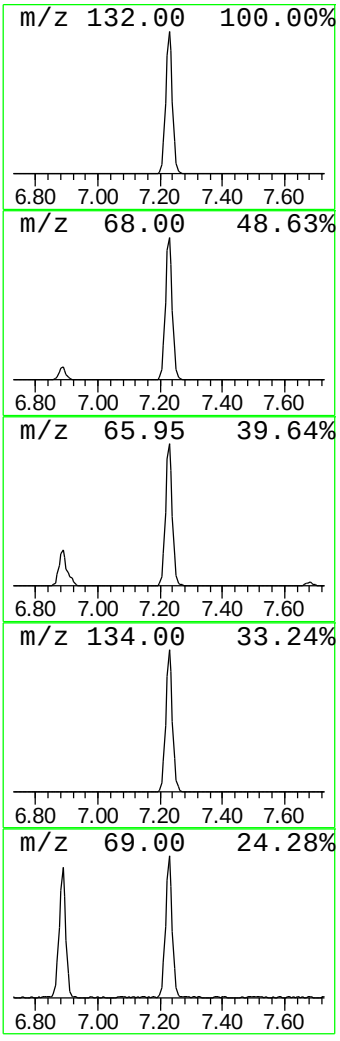
****

Peak Number 3 unknown7.23 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.23	36.52 ng	757376	1,4-Dichlorobenzene-d4	7.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	22
2	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	14
3	1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	14
4	Pyrazolo(2,3-a)pyridine, 7-methyl-	132	C8H8N2	034760-58-2	14
5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	10





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010620\
Data File : BP001532.D
Acq On : 06 Jan 2020 16:32
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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OR-02-123119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010320.M
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TIC Library : C:\DATABASE\NIST11.L
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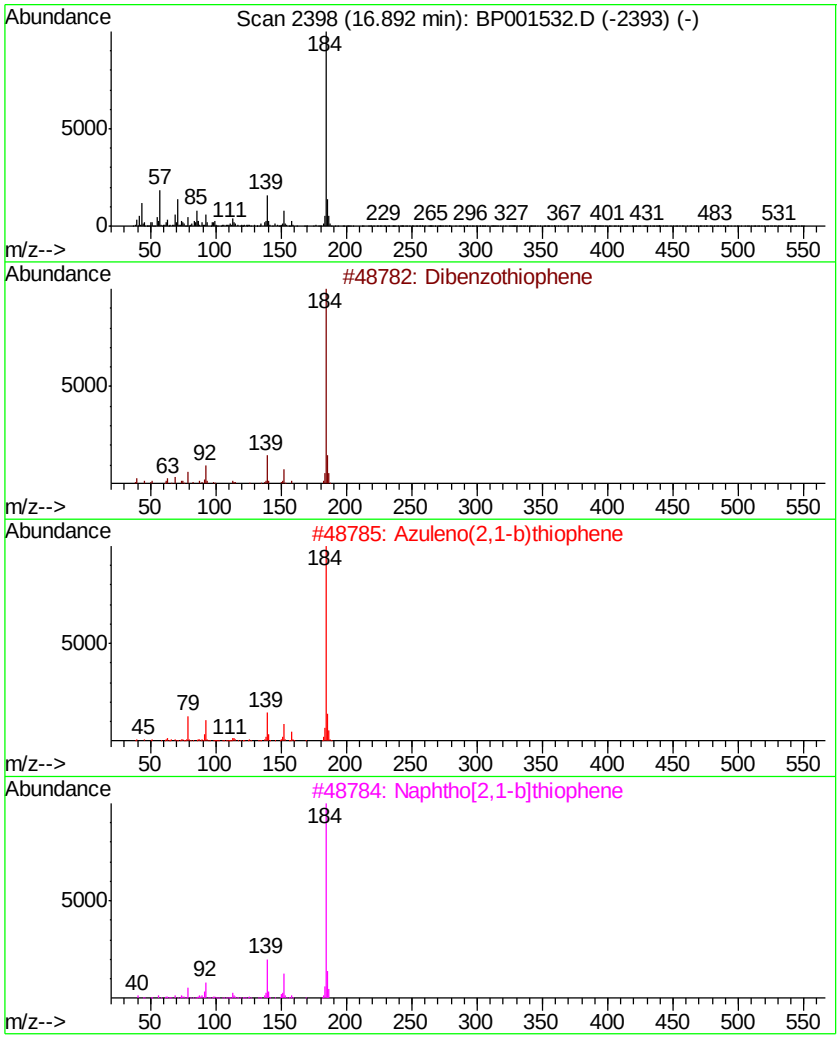
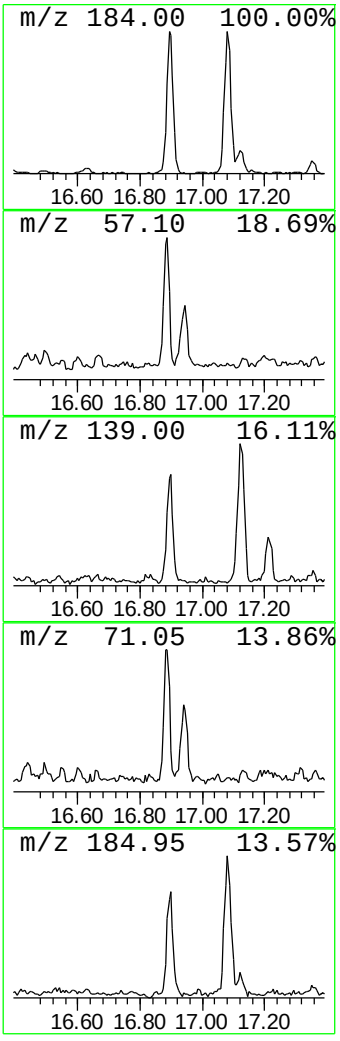
****

Peak Number 6 Dibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.89	4.84 ng	191351	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	94
2	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	90
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	87
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010620\
Data File : BP001532.D
Acq On : 06 Jan 2020 16:32
Operator : JU
Sample : K6113-16 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OR-02-123119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

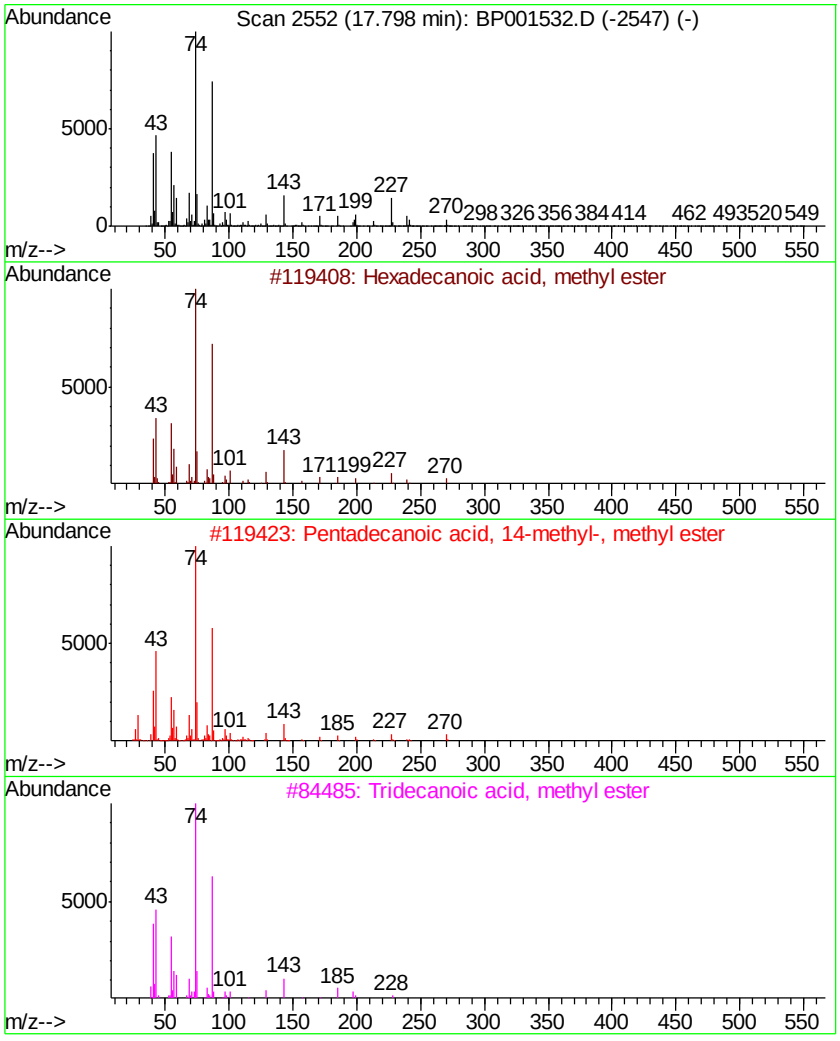
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

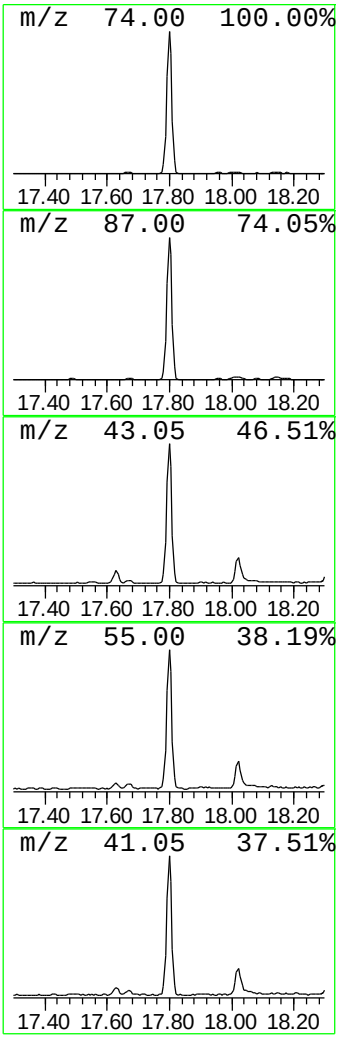
****

Peak Number 7 Hexadecanoic acid, methyl e... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.80	35.16 ng	1389150	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	97
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	93
3	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	91
4	Decanoic acid, methyl ester	186	C11H22O2	000110-42-9	83
5	Methyl tetradecanoate	242	C15H30O2	000124-10-7	80





Library Search Compound Report

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Data File : BP001532.D
Acq On : 06 Jan 2020 16:32
Operator : JU
Sample : K6113-16 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OR-02-123119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

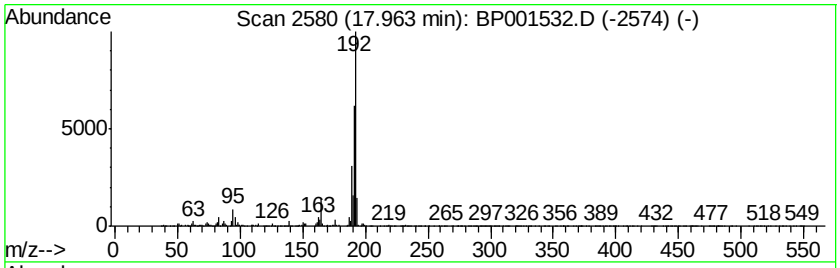
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

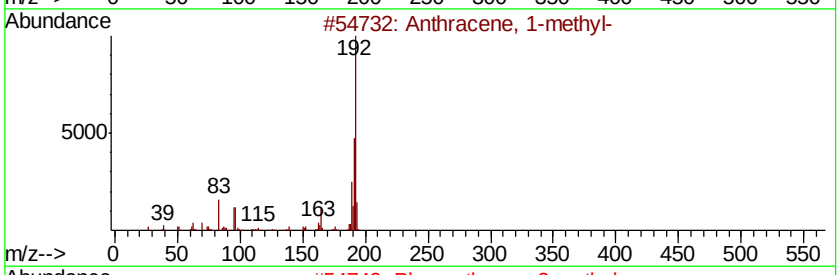
****

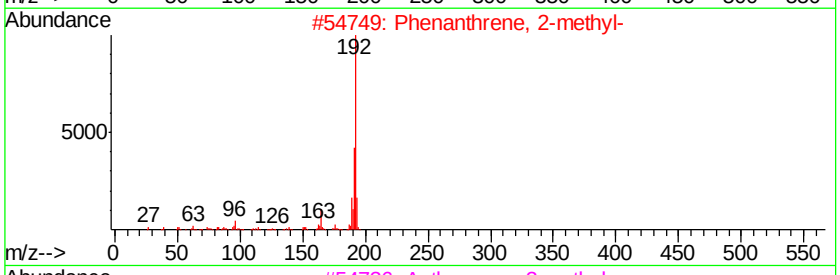
Peak Number 8 Anthracene, 1-methyl- Concentration Rank 9

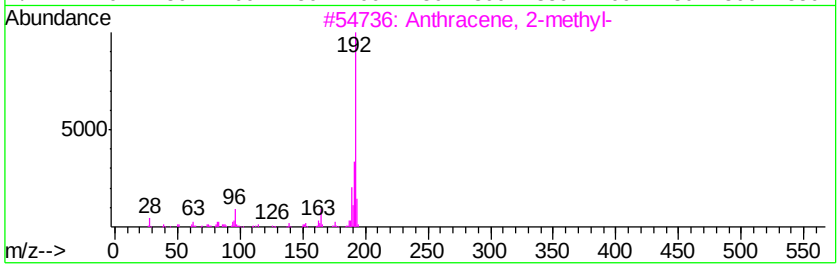
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.96	6.05 ng	239102	Phenanthrene-d10	17.08

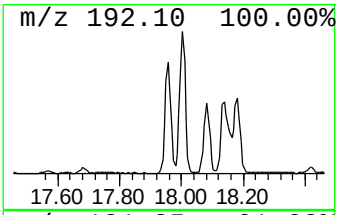
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93

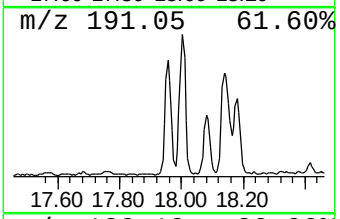


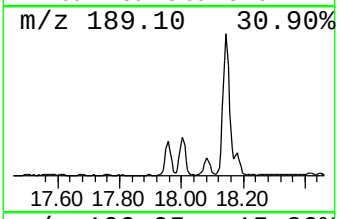


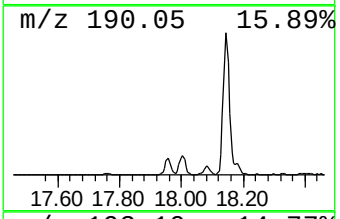


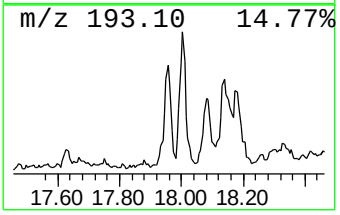












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Data File : BP001532.D
Acq On : 06 Jan 2020 16:32
Operator : JU
Sample : K6113-16 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OR-02-123119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010320.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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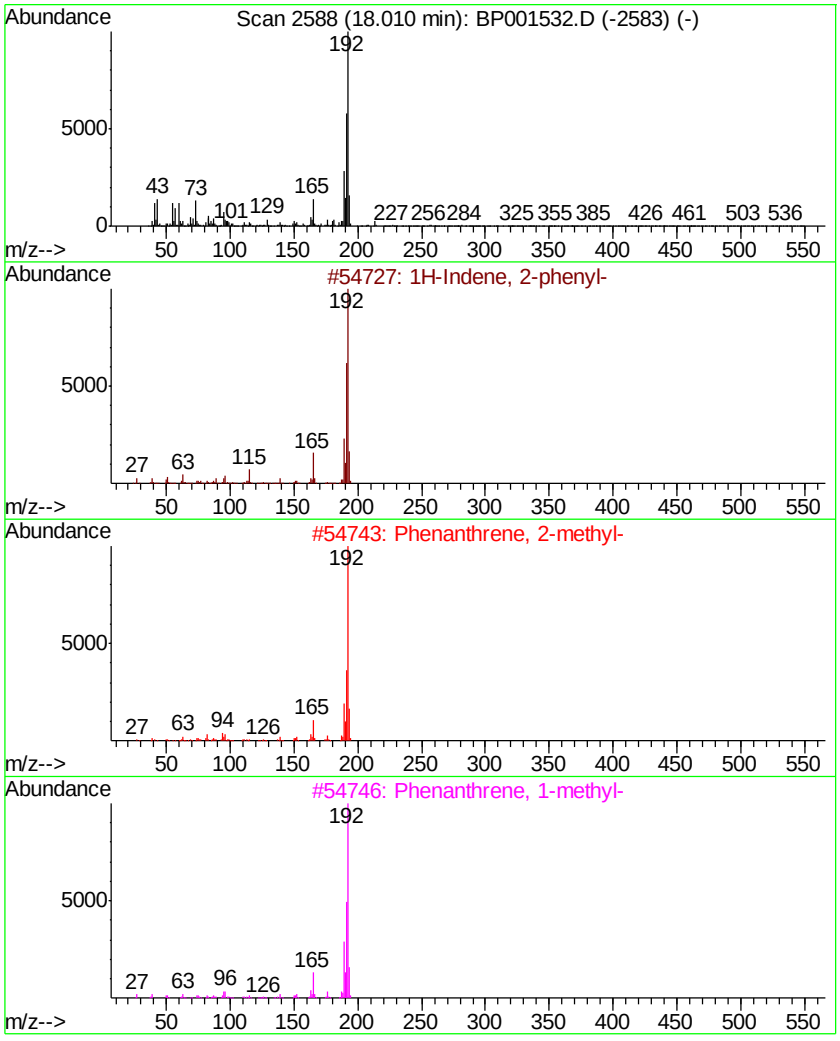
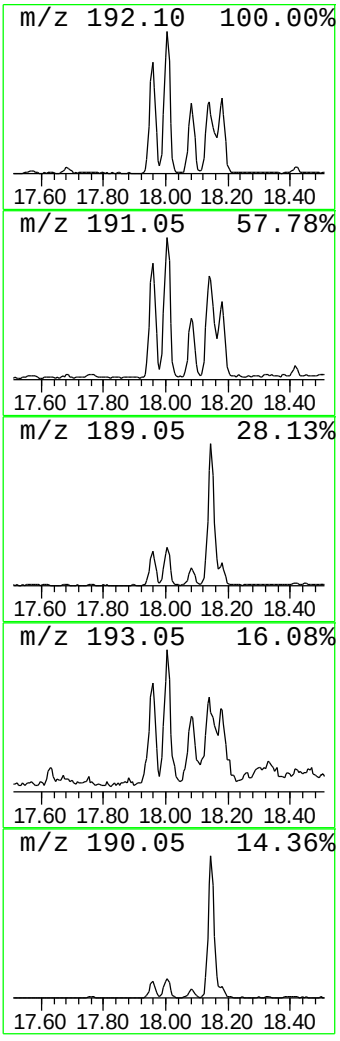
Peak Number 9 1H-Indene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	13.98 ng	552507	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90





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Operator : JU
Sample : K6113-16 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OR-02-123119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

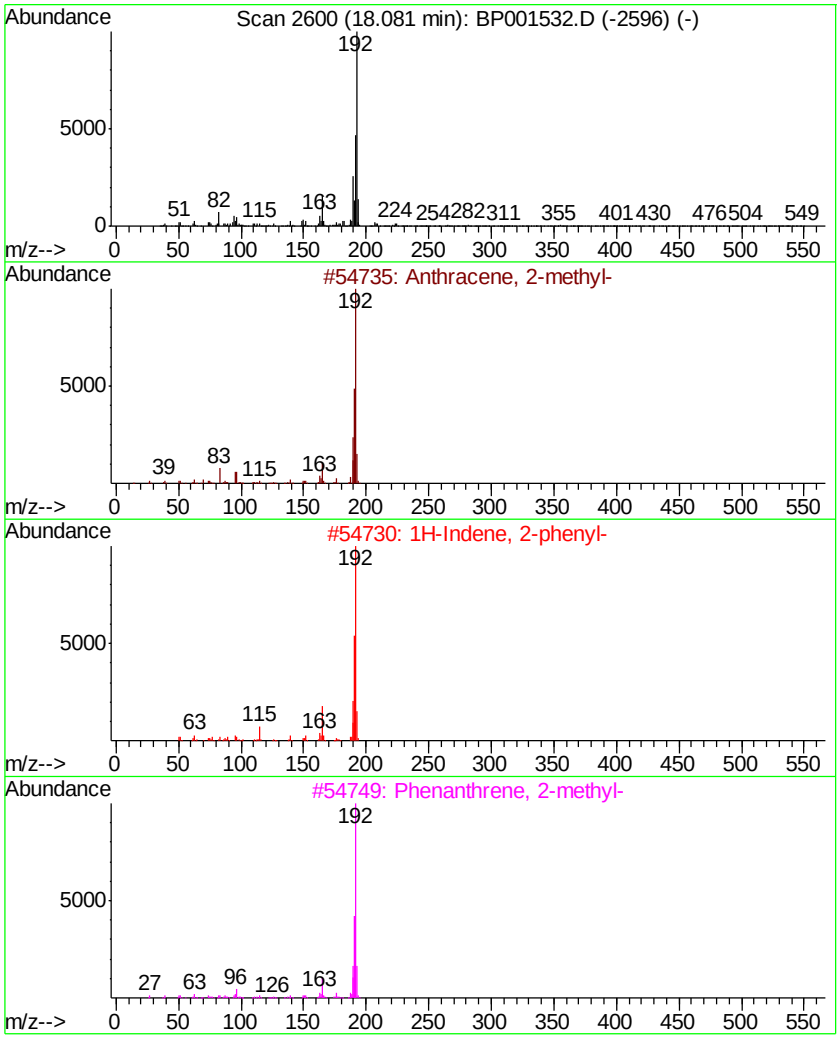
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

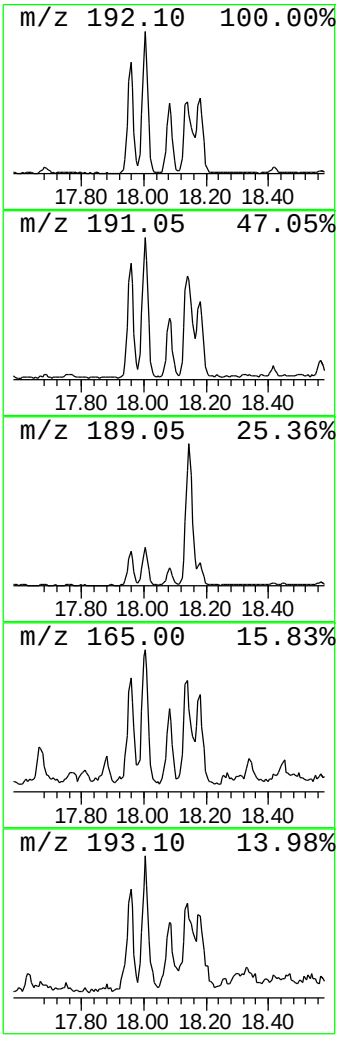
****

Peak Number 10 Anthracene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.08	4.17 ng	164739	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	91
5	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	91





Library Search Compound Report

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Data File : BP001532.D
Acq On : 06 Jan 2020 16:32
Operator : JU
Sample : K6113-16 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OR-02-123119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010320.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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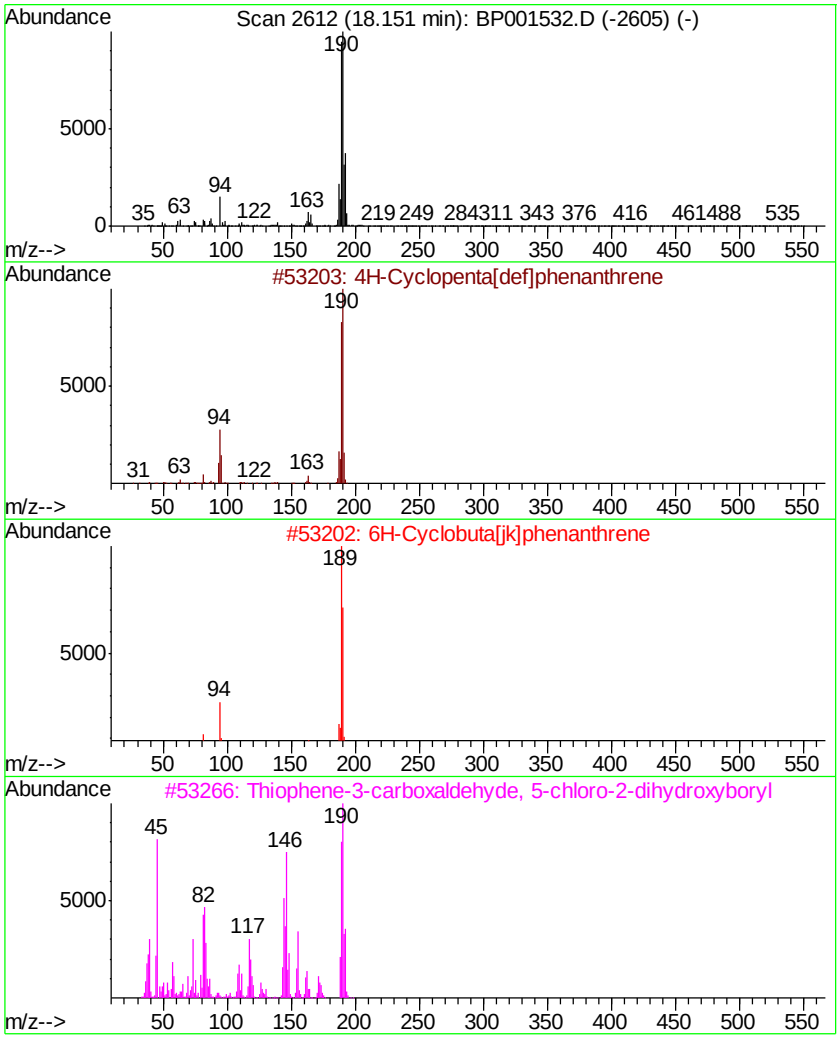
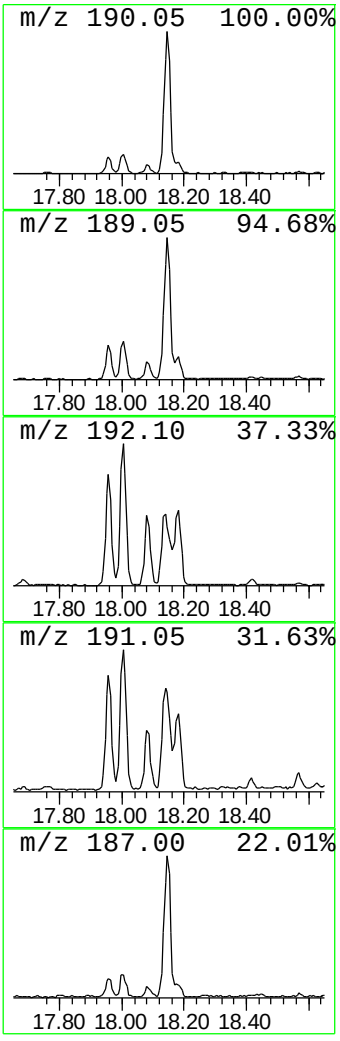
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.15	14.54 ng	574575	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	2-Naphthaldehyde, 1,2,3,4-tetrah...	190	C12H14O2	002472-02-8	18





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Data File : BP001532.D
Acq On : 06 Jan 2020 16:32
Operator : JU
Sample : K6113-16 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OR-02-123119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010320.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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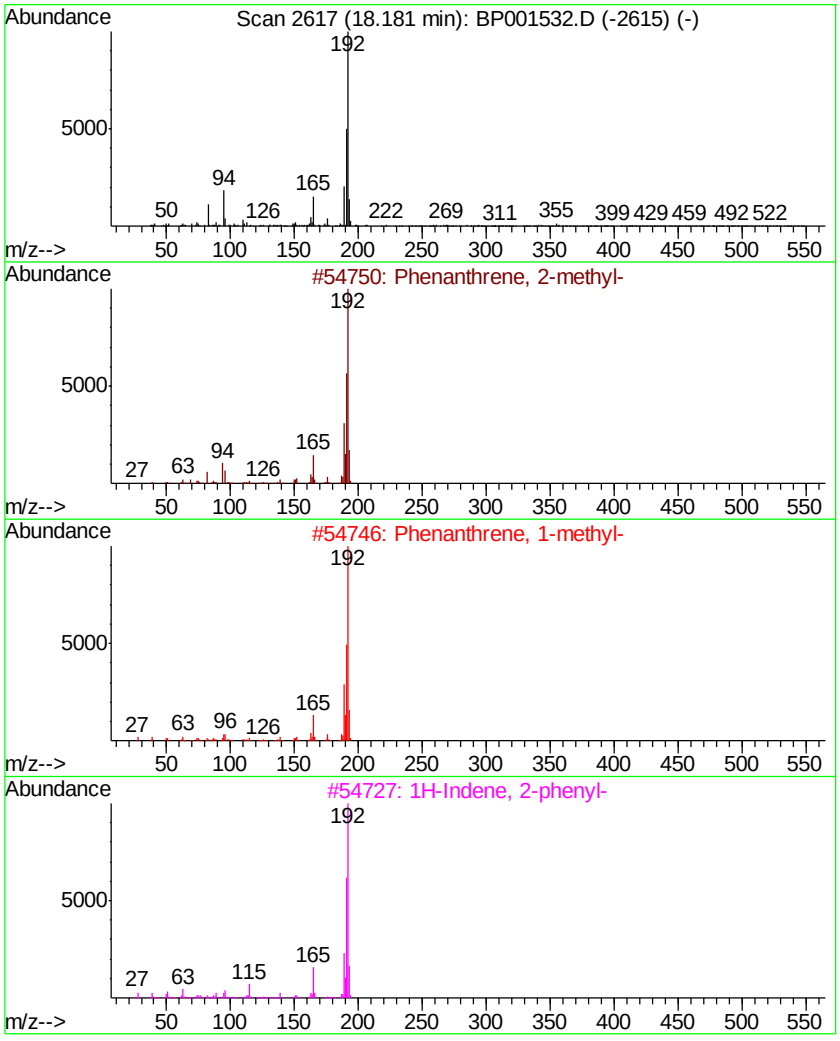
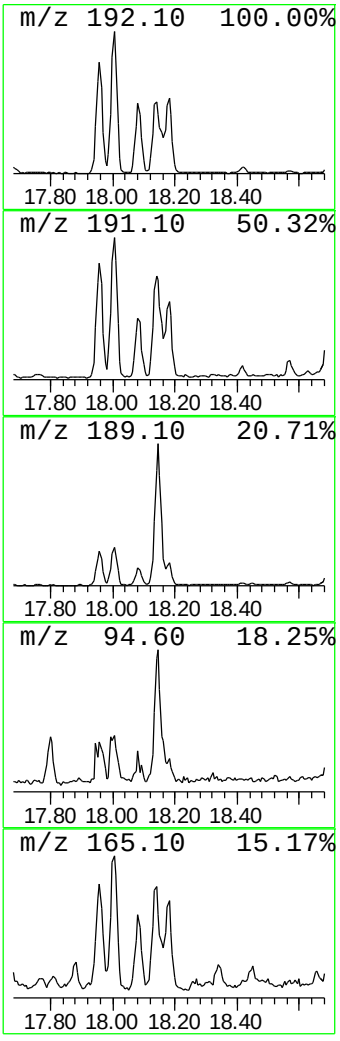
Peak Number 12 Phenanthrene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.18	3.73 ng	147331	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	74
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	74
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	72





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Operator : JU
Sample : K6113-16 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OR-02-123119

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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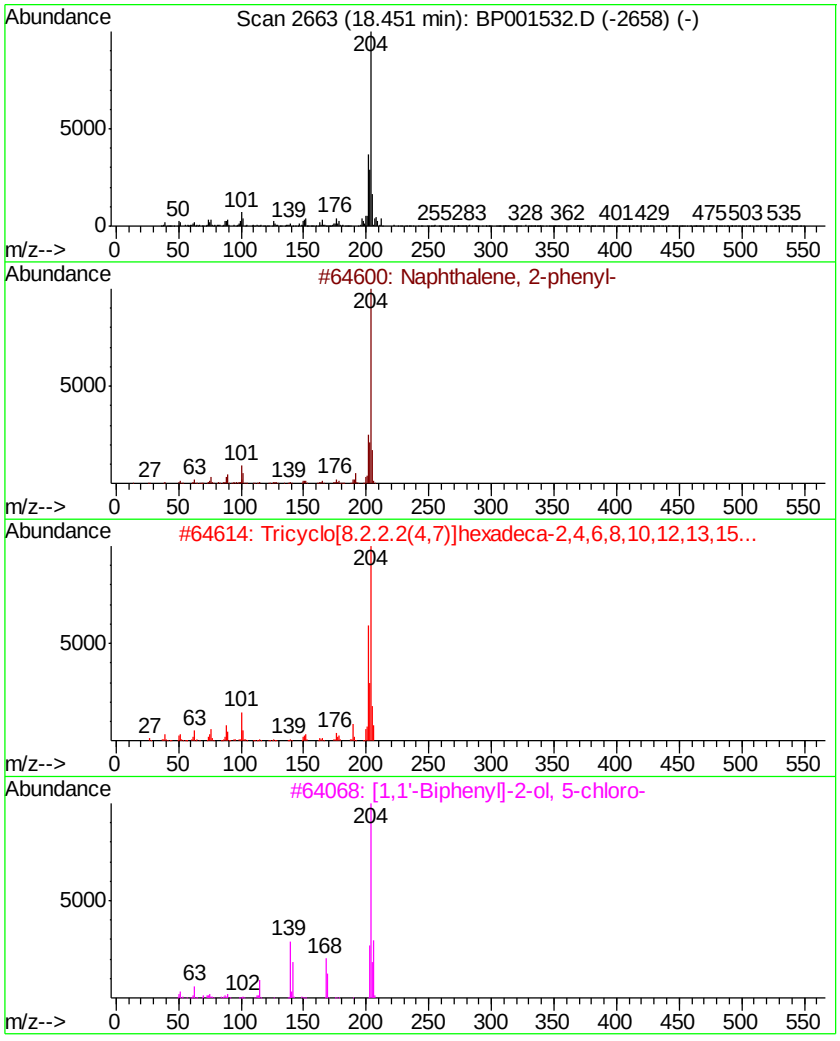
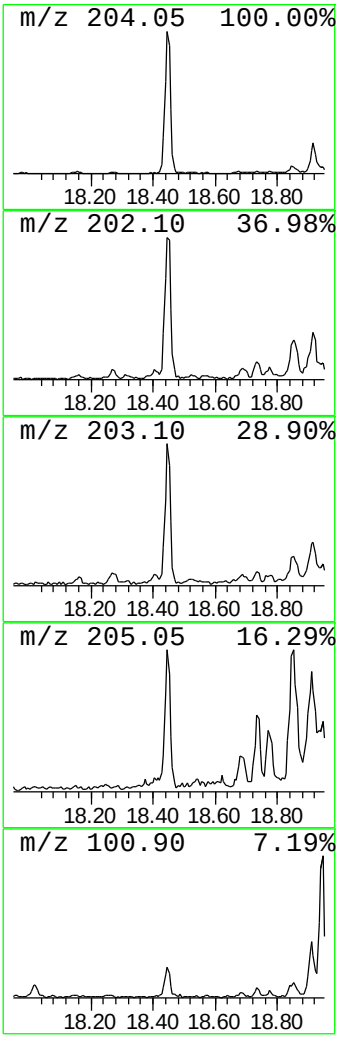
Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	4.26 ng	168340	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	59
3	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	58
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	58
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	50





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Operator : JU
Sample : K6113-16 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OR-02-123119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010320.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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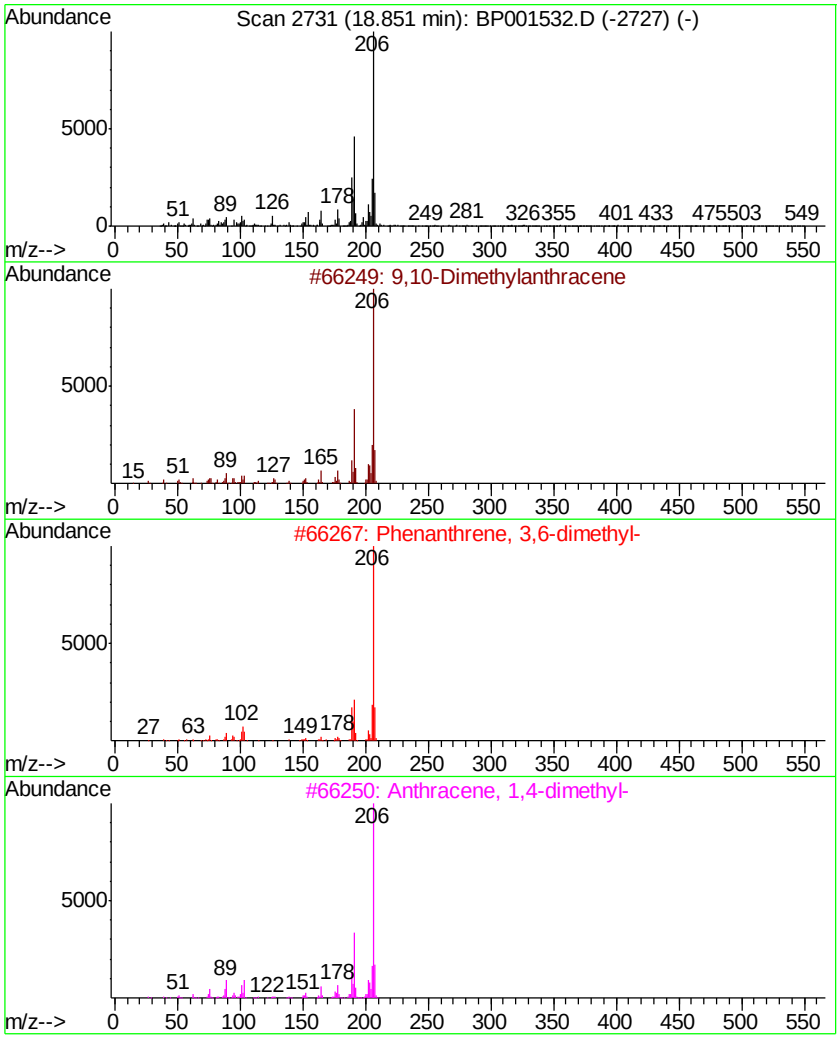
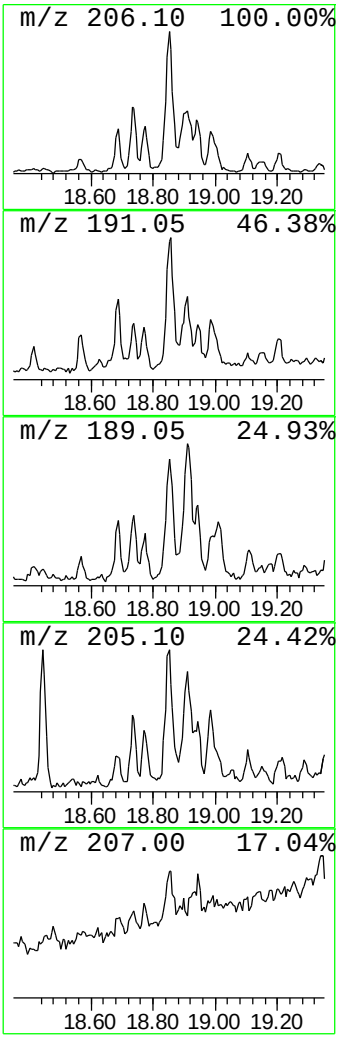
Peak Number 14 9,10-Dimethylanthracene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	5.02 ng	198387	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





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Acq On : 06 Jan 2020 16:32
Operator : JU
Sample : K6113-16 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OR-02-123119

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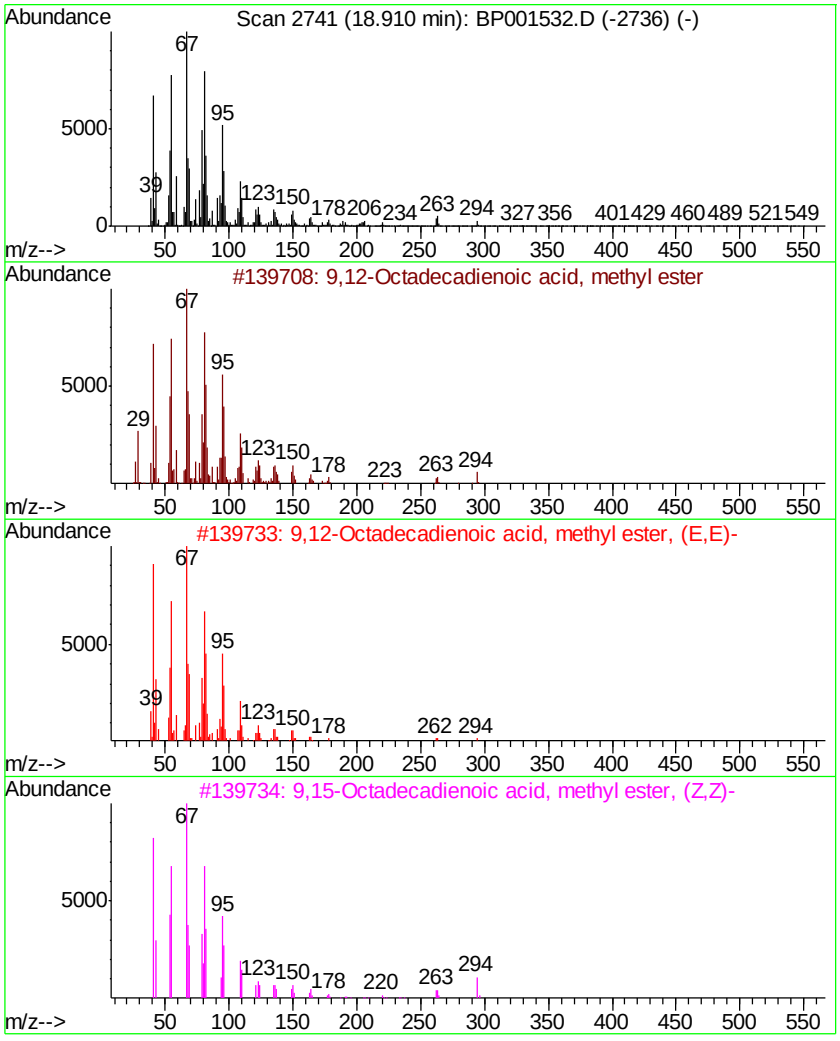
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

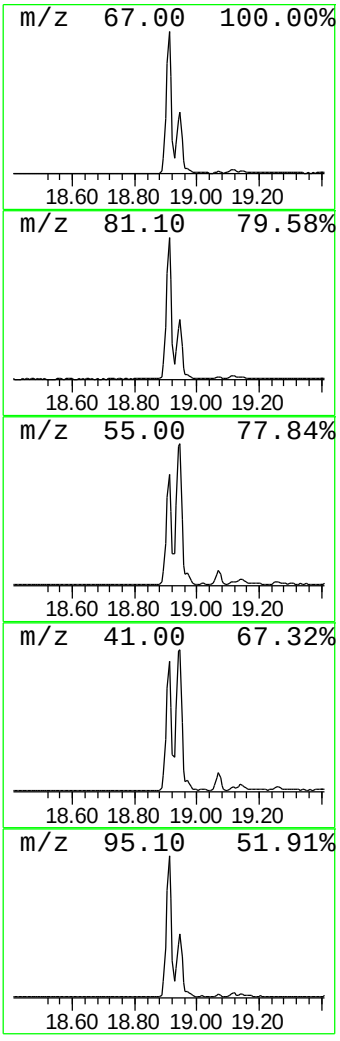
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 9,12-Octadecadienoic acid, ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.91	108.13 ng	4272400	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
2	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	98
3	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	98
4	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	96
5	Methyl 9-cis,11-trans-octadecadi...	294	C19H34O2	1000336-44-0	95





Library Search Compound Report

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Sample : K6113-16 2X
Misc :
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Instrument : BNA_P
ClientSampleId : OR-02-123119

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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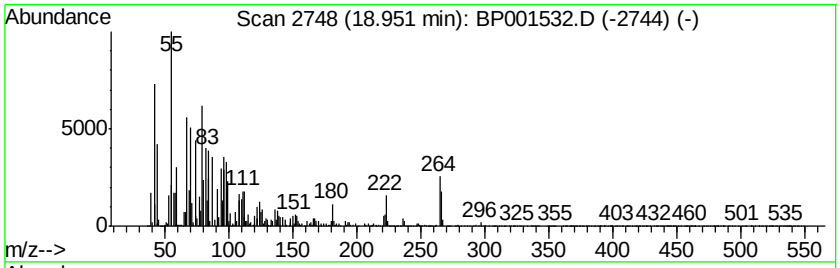
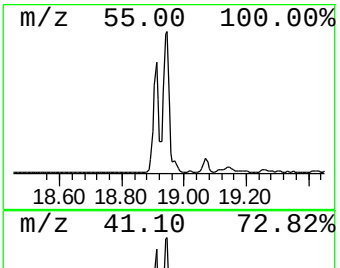
Peak Number 16 13-Octadecenoic acid, methy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.95	89.73 ng	3545340	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	98
2	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	98
3	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	97
4	6-Octadecenoic acid, methyl este...	296	C19H36O2	002777-58-4	95
5	10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	94





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Data File : BP001532.D
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Sample : K6113-16 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OR-02-123119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010320.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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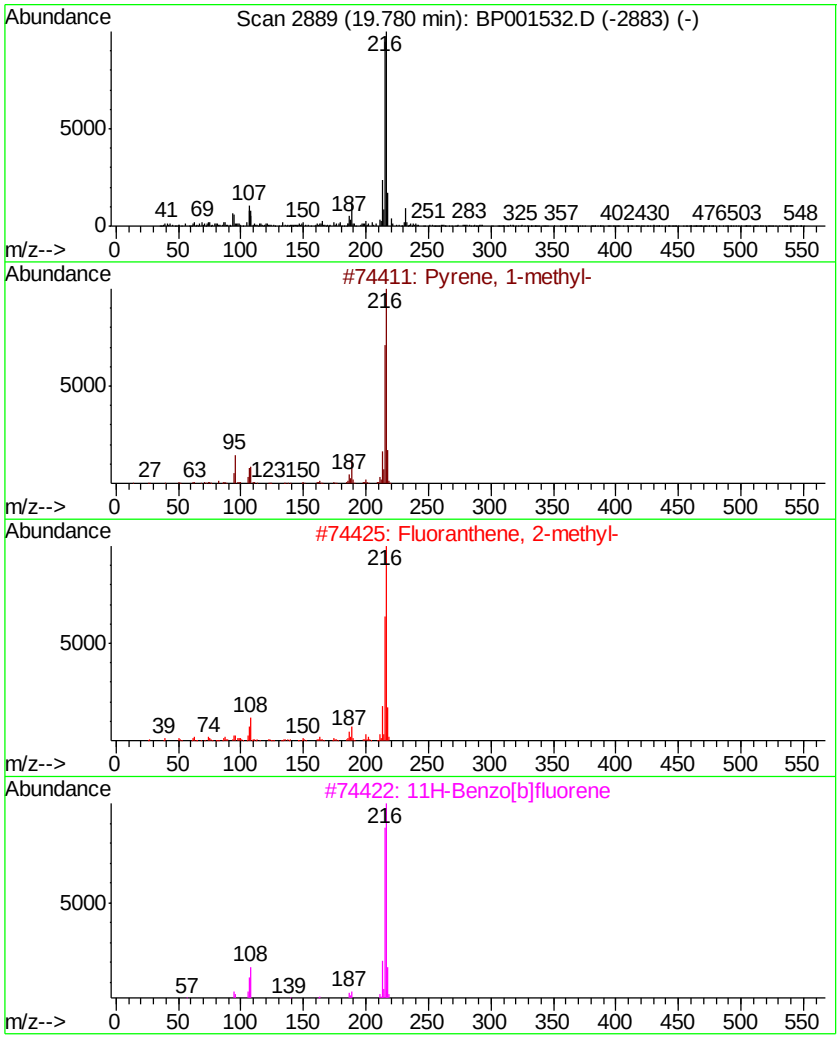
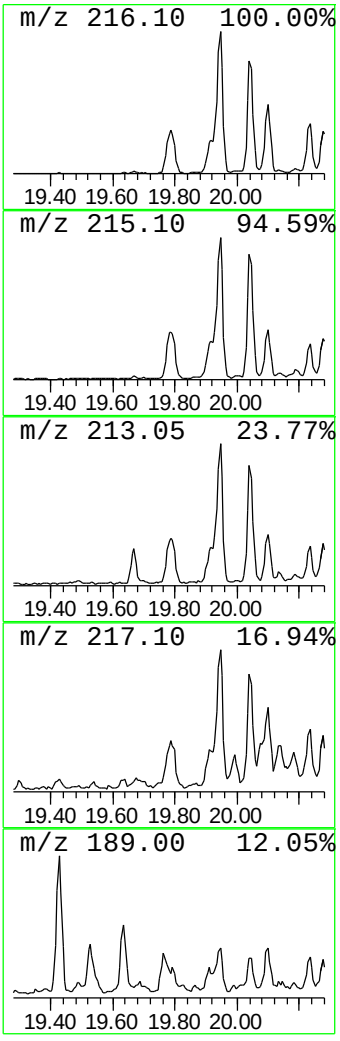
Peak Number 17 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.78	2.86 ng	307941	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70





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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OR-02-123119

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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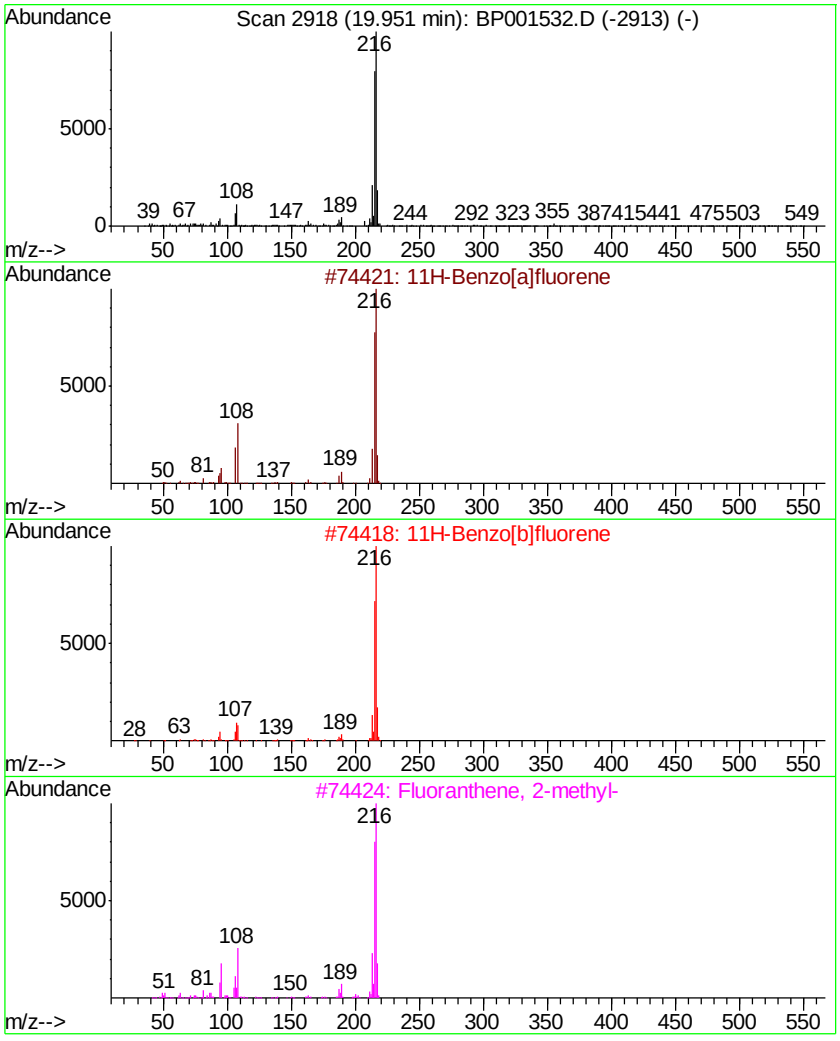
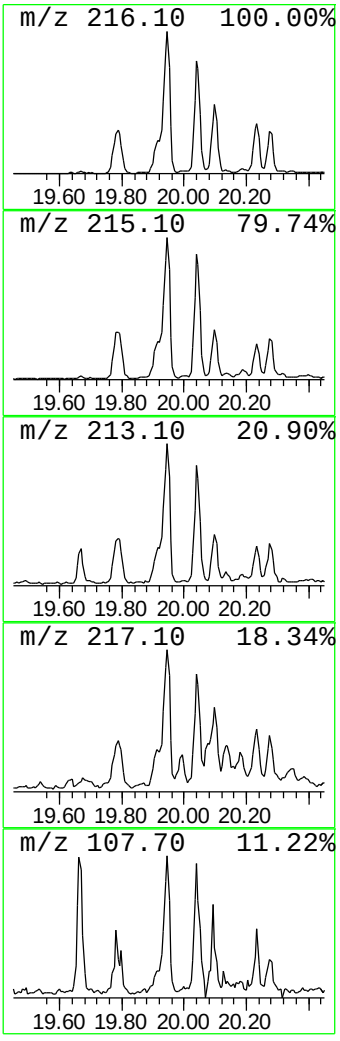
Peak Number 18 11H-Benzo[a]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.95	4.36 ng	470022	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010620\
Data File : BP001532.D
Acq On : 06 Jan 2020 16:32
Operator : JU
Sample : K6113-16 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OR-02-123119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

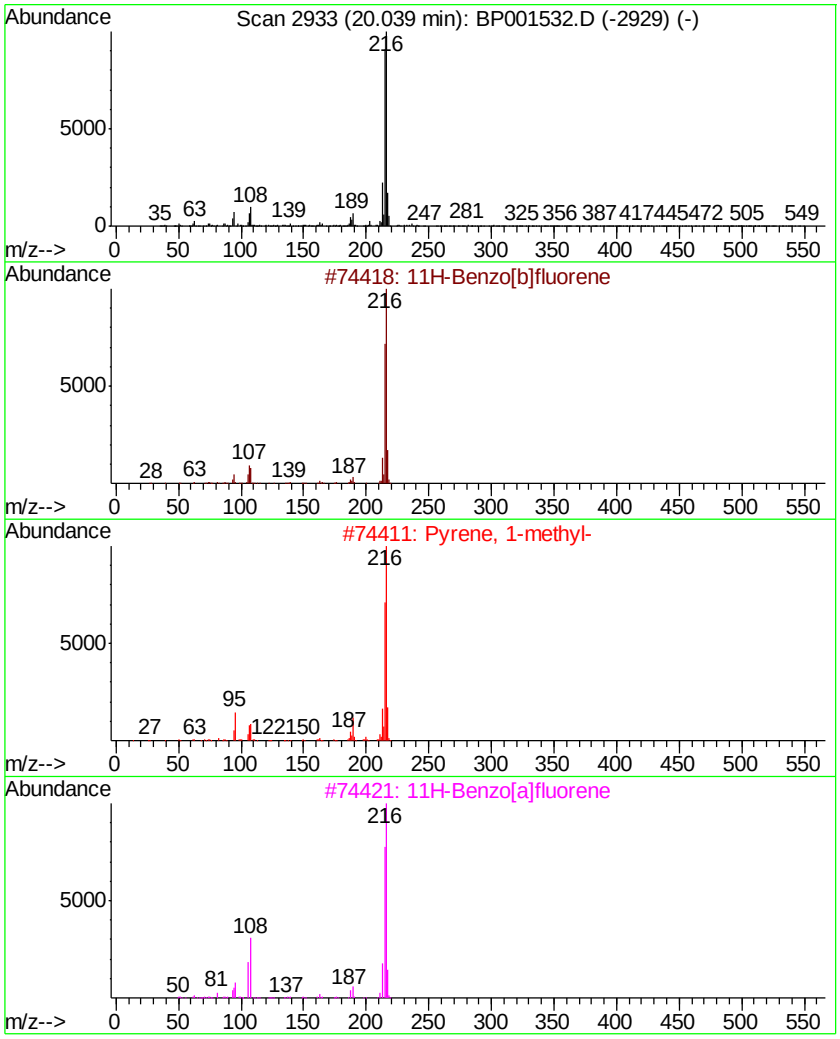
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

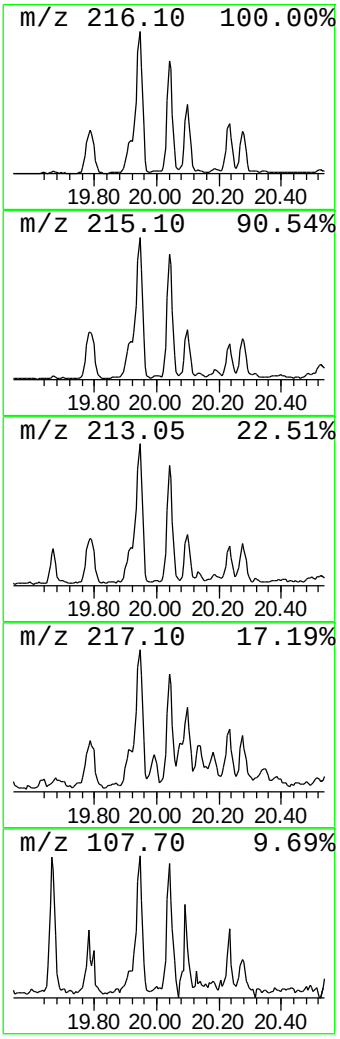
****

Peak Number 19 11H-Benzo[b]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.04	3.55 ng	382655	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	72
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010620\
Data File : BP001532.D
Acq On : 06 Jan 2020 16:32
Operator : JU
Sample : K6113-16 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OR-02-123119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

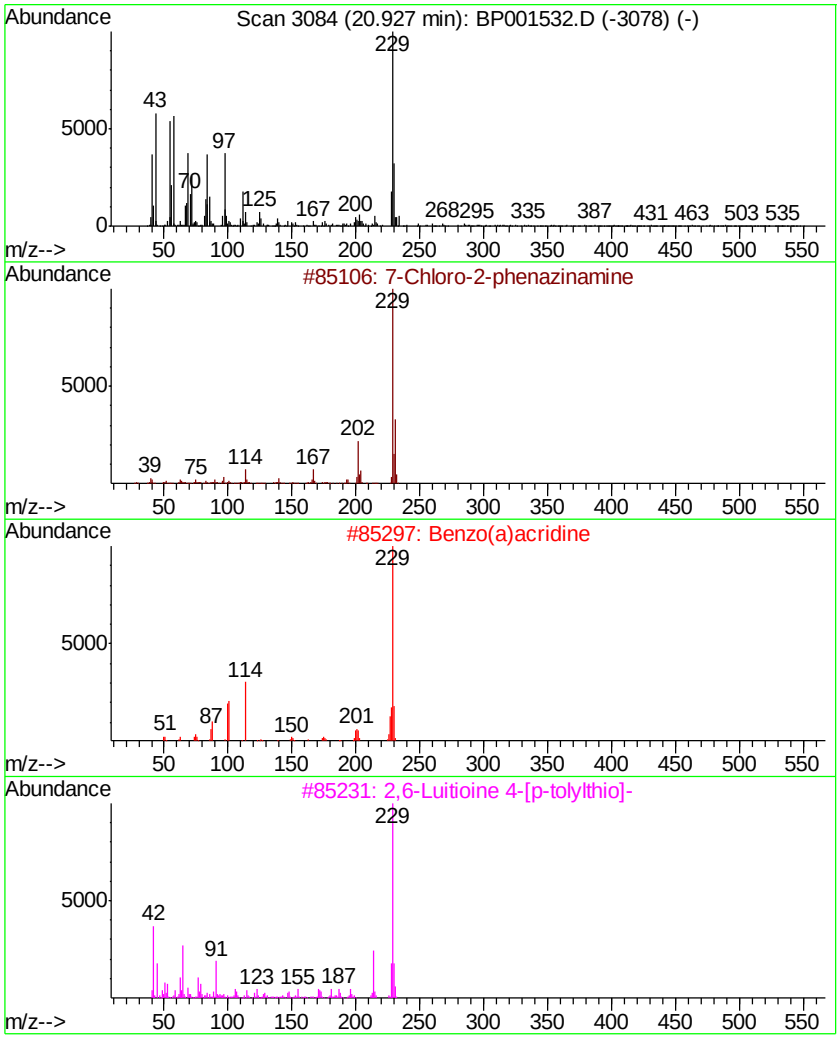
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

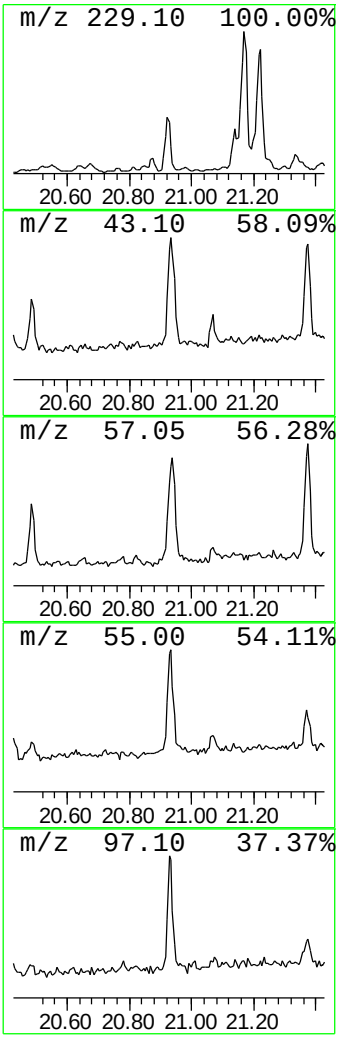
****

Peak Number 20 unknown20.93 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.93	3.80 ng	409348	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Chloro-2-phenazinamine	229	C12H8ClN3	023677-11-4	47
2	Benzo(a)acridine	229	C17H11N	000225-11-6	47
3	2,6-Luitioine 4-[p-tolylthiol-	229	C14H15NS	1000252-20-5	38
4	Tetradecane, 1,1'-thiobis-	426	C28H58S	035599-83-8	38
5	Tetramethyl ethenetetracarboxylate	260	C10H12O8	1000341-25-0	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP010620\
Data File : BP001532.D
Acq On : 06 Jan 2020 16:32
Operator : JU
Sample : K6113-16 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OR-02-123119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010320.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...	3.00	5.7	ng	118523	1	7.68	414794	20.0
2-Pentanone, 4-hy...	4.88	6.5	ng	133759	1	7.68	414794	20.0
unknown7.23	7.23	36.5	ng	757376	1	7.68	414794	20.0
Dibenzothiophene	16.89	4.8	ng	191351	4	17.08	790235	20.0
Hexadecanoic acid...	17.80	35.2	ng	1389150	4	17.08	790235	20.0
Anthracene, 1-met...	17.96	6.0	ng	239102	4	17.08	790235	20.0
1H-Indene, 2-phenyl-	18.01	14.0	ng	552507	4	17.08	790235	20.0
Anthracene, 2-met...	18.08	4.2	ng	164739	4	17.08	790235	20.0
4H-Cyclopenta[def...	18.15	14.5	ng	574575	4	17.08	790235	20.0
Phenanthrene, 2-m...	18.18	3.7	ng	147331	4	17.08	790235	20.0
Naphthalene, 2-ph...	18.45	4.3	ng	168340	4	17.08	790235	20.0
9,10-Dimethylanth...	18.85	5.0	ng	198387	4	17.08	790235	20.0
9,12-Octadecadien...	18.91	108.1	ng	4272400	4	17.08	790235	20.0
13-Octadecenoic a...	18.95	89.7	ng	3545340	4	17.08	790235	20.0
Pyrene, 1-methyl-	19.78	2.9	ng	307941	5	21.19	2155030	20.0
11H-Benzo[a]fluorene	19.95	4.4	ng	470022	5	21.19	2155030	20.0
11H-Benzo[b]fluorene	20.04	3.5	ng	382655	5	21.19	2155030	20.0
unknown20.93	20.93	3.8	ng	409348	5	21.19	2155030	20.0