LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122419\
Data File : BP001406.D
Acq On : 25 Dec 2019 01:04
Operator : JU
Sample : K6399-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 161-CHURCH-ST-NORTH-HALEDO

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-BP121919.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	5.587	586	595	608	rBV	76551	114092	1.56%	0.173%
2	6.199	694	699	711	rBV	401815	507094	6.92%	0.767%
3	7.746	957	962	968	rBV	438440	557698	7.61%	0.844%
4	7.928	987	993	1001	rVB	480936	558821	7.63%	0.845%
5	8.287	1047	1054	1060	rBV	282933	336597	4.59%	0.509%
6	8.522	1089	1094	1100	rBV	348490	421309	5.75%	0.637%
7	9.163	1197	1203	1212	rBV	307606	347298	4.74%	0.525%
8	10.322	1395	1400	1404	rBV	326446	366882	5.01%	0.555%
9	12.098	1691	1702	1711	rVB	472502	534067	7.29%	0.808%
10	13.181	1880	1886	1891	rBV	372610	430000	5.87%	0.650%
11	13.234	1891	1895	1900	rVB	156754	177515	2.42%	0.269%
12	13.516	1938	1943	1954	rVB	82795	109643	1.50%	0.166%
13	14.081	2034	2039	2044	rVB	249630	280118	3.82%	0.424%
14	14.475	2100	2106	2114	rBV2	333709	427376	5.83%	0.647%
15	15.281	2238	2243	2254	rVB	48725	88747	1.21%	0.134%
16	15.375	2254	2259	2263	rBV	78593	110359	1.51%	0.167%
17	15.422	2263	2267	2271	rVB	166984	192177	2.62%	0.291%
18	15.586	2290	2295	2297	rBV	294642	393133	5.36%	0.595%
19	15.633	2297	2303	2307	rVB	2751898	3788406	51.69%	5.731%
20	15.698	2310	2314	2319	rVB	527189	596888	8.14%	0.903%
21	15.745	2319	2322	2326	rBV	81607	100546	1.37%	0.152%
22	15.945	2352	2356	2361	rVB	414941	448278	6.12%	0.678%
23	16.339	2418	2423	2426	rBV	244415	279362	3.81%	0.423%
24	16.381	2426	2430	2435	rVB	357053	405944	5.54%	0.614%
25	16.445	2437	2441	2444	rBV	73754	102115	1.39%	0.154%
26	16.492	2444	2449	2453	rVV	588425	767635	10.47%	1.161%
27	16.528	2453	2455	2464	rVB	160841	168896	2.30%	0.255%
28	16.775	2492	2497	2498	rBV	235065	253453	3.46%	0.383%
29	16.798	2498	2501	2506	rVB	464605	501618	6.84%	0.759%
30	17.128	2552	2557	2561	rBV2	107745	156059	2.13%	0.236%
31	17.239	2572	2576	2585	rVB2	92741	177260	2.42%	0.268%
32	17.363	2585	2597	2600	rBV	4859945	7328707	100.00%	11.086%
33	17.422	2604	2607	2610	rBV2	102895	124885	1.70%	0.189%
34	17.457	2610	2613	2621	rVB5	125552	175750	2.40%	0.266%

LSC Area Percent Report

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Operator : JU
Sample : K6399-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 161-CHURCH-ST-NORTH-HALEDO

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-BP121919.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	17.539	2621	2627	2630	rBV	236144	299242	4.08%	0.453%
36	17.669	2638	2649	2652	rBV3	3482461	6581562	89.81%	9.956%
37	17.716	2654	2657	2661	rVB	136427	149609	2.04%	0.226%
38	17.816	2668	2674	2677	rBV	257083	292852	4.00%	0.443%
39	17.869	2677	2683	2687	rVV2	423133	610152	8.33%	0.923%
40	17.927	2689	2693	2694	rVV	107126	111170	1.52%	0.168%
41	17.957	2694	2698	2701	rVV	192511	314968	4.30%	0.476%
42	17.986	2701	2703	2706	rVB	117937	106841	1.46%	0.162%
43	18.063	2712	2716	2719	rBV3	210966	331619	4.52%	0.502%
44	18.098	2719	2722	2726	rVB	768769	847790	11.57%	1.282%
45	18.186	2733	2737	2741	rBV	686084	761616	10.39%	1.152%
46	18.233	2741	2745	2748	rBV	356016	409890	5.59%	0.620%
47	18.263	2748	2750	2755	rVB	187938	212204	2.90%	0.321%
48	18.310	2755	2758	2761	rVB2	87796	89662	1.22%	0.136%
49	18.351	2761	2765	2768	rBV	161727	176663	2.41%	0.267%
50	18.392	2768	2772	2775	rBV	136419	144587	1.97%	0.219%
51	18.633	2804	2813	2814	rBV5	104489	217366	2.97%	0.329%
52	18.663	2814	2818	2821	rVB2	161500	223084	3.04%	0.337%
53	18.763	2827	2835	2842	rBV2	296659	517129	7.06%	0.782%
54	18.910	2855	2860	2863	rBV	628928	770942	10.52%	1.166%
55	18.951	2863	2867	2869	rVV	367885	477574	6.52%	0.722%
56	18.974	2869	2871	2873	rVV	338564	339905	4.64%	0.514%
57	18.998	2873	2875	2879	rVV3	234644	313441	4.28%	0.474%
58	19.039	2879	2882	2887	rVB	326331	375622	5.13%	0.568%
59	19.127	2891	2897	2902	rVB	177842	292555	3.99%	0.443%
60	19.239	2906	2916	2920	rBV3	1978922	4264652	58.19%	6.451%
61	19.292	2920	2925	2930	rVB	2617728	3693066	50.39%	5.587%
62	19.380	2934	2940	2943	rBV	505813	603667	8.24%	0.913%
63	19.416	2943	2946	2949	rBV2	112560	131340	1.79%	0.199%
64	19.480	2954	2957	2960	rVV	211372	284798	3.89%	0.431%
65	19.510	2960	2962	2964	rVV	211765	253789	3.46%	0.384%
66	19.533	2964	2966	2970	rVV	282711	291524	3.98%	0.441%
67	19.574	2970	2973	2976	rVB	95075	103914	1.42%	0.157%
68	19.651	2982	2986	2987	rBV3	61155	82936	1.13%	0.125%
69	19.692	2988	2993	2996	rVV2	124985	233071	3.18%	0.353%
70	19.739	2996	3001	3004	rVV	376112	517024	7.05%	0.782%
71	19.786	3005	3009	3013	rVB3	313424	452753	6.18%	0.685%

LSC Area Percent Report

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Acq On : 25 Dec 2019 01:04
Operator : JU
Sample : K6399-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 161-CHURCH-ST-NORTH-HALEDO

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-BP121919.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	19.857	3018	3021	3024	rVV2	302776	379072	5.17%	0.573%
73	19.898	3024	3028	3030	rVV3	309929	487773	6.66%	0.738%
74	19.922	3030	3032	3037	rVV2	369597	499232	6.81%	0.755%
75	19.963	3037	3039	3041	rVV	115542	132632	1.81%	0.201%
76	19.992	3042	3044	3051	rVB3	149096	192255	2.62%	0.291%
77	20.127	3063	3067	3071	rBV3	224802	337997	4.61%	0.511%
78	20.221	3080	3083	3087	rBV4	84878	104977	1.43%	0.159%
79	20.557	3130	3140	3143	rBV	2256482	5321140	72.61%	8.050%
80	20.580	3143	3144	3147	rVV	1567104	915201	12.49%	1.384%
81	20.621	3149	3151	3154	rVV	71760	74480	1.02%	0.113%
82	20.657	3154	3157	3163	rVB	330297	388015	5.29%	0.587%
83	20.892	3189	3197	3202	rVB	1213495	2071484	28.27%	3.134%
84	20.968	3202	3210	3214	rVB	1785818	2758295	37.64%	4.173%
85	21.021	3214	3219	3222	rBV	293316	447534	6.11%	0.677%
86	21.057	3222	3225	3232	rVB2	510021	728662	9.94%	1.102%
87	22.686	3491	3502	3507	rVB2	755975	1922704	26.24%	2.909%
88	22.851	3525	3530	3535	rVB	89322	180954	2.47%	0.274%
89	22.921	3537	3542	3547	rVV2	111968	211194	2.88%	0.319%
90	23.174	3574	3585	3599	rVB	504667	1491788	20.36%	2.257%
91	23.410	3620	3625	3631	rVB	126698	250342	3.42%	0.379%

Sum of corrected areas: 66105038

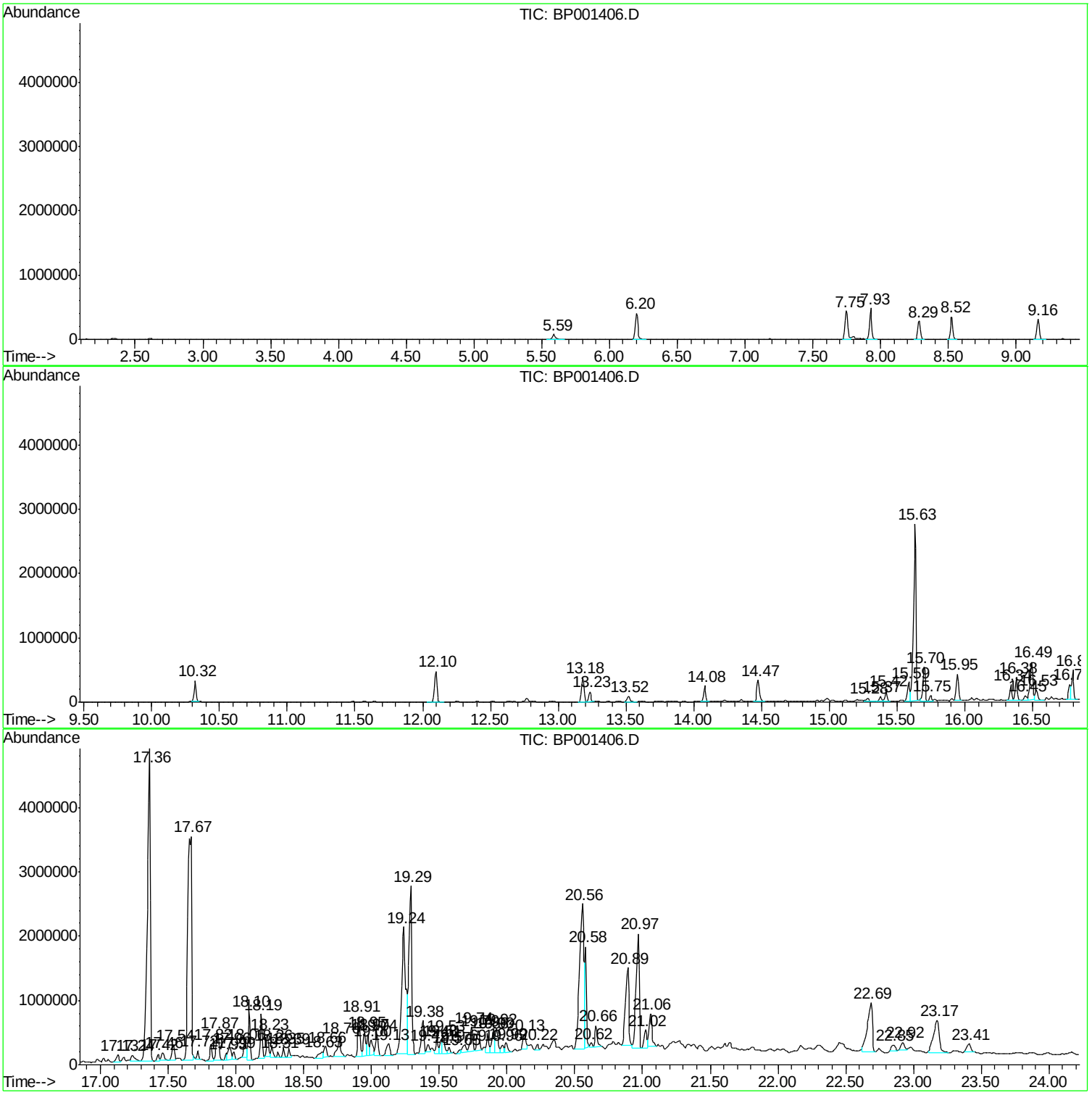
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122419\
Data File : BP001406.D
Acq On : 25 Dec 2019 01:04
Operator : JU
Sample : K6399-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
161-CHURCH-ST-NORTH-HALEDO

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP121919.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\BP122419\
Data File : BP001406.D
Acq On : 25 Dec 2019 01:04
Operator : JU
Sample : K6399-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 161-CHURCH-ST-NORTH-HALEDO

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP121919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

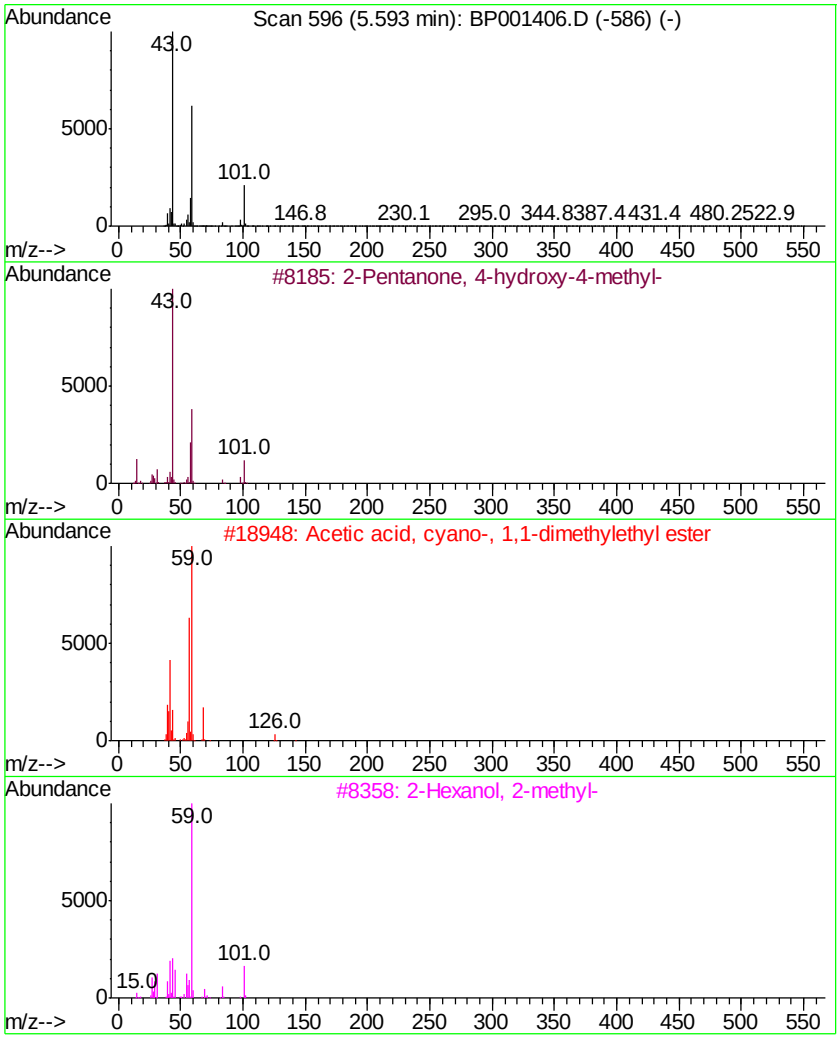
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

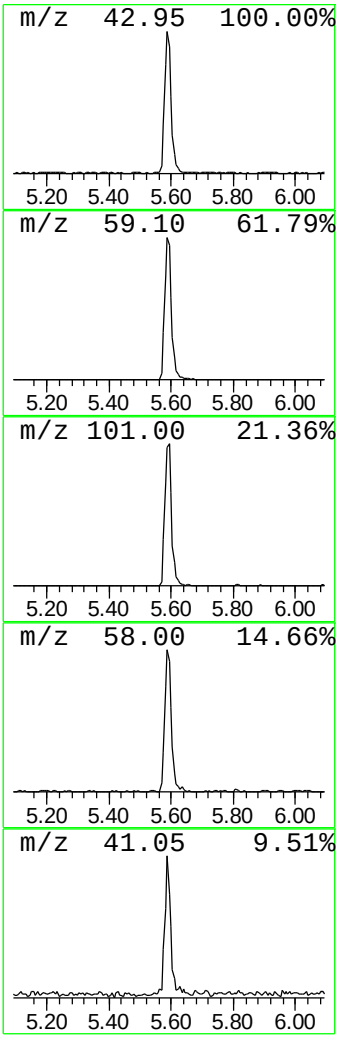
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.59	6.78 ng	114092	1,4-Dichlorobenzene-d4	8.29

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	32
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
4	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	23
5	1-Butene, 4-ethoxy-	100	C6H12O	044611-46-3	23





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122419\
Data File : BP001406.D
Acq On : 25 Dec 2019 01:04
Operator : JU
Sample : K6399-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
161-CHURCH-ST-NORTH-HALEDO

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP121919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

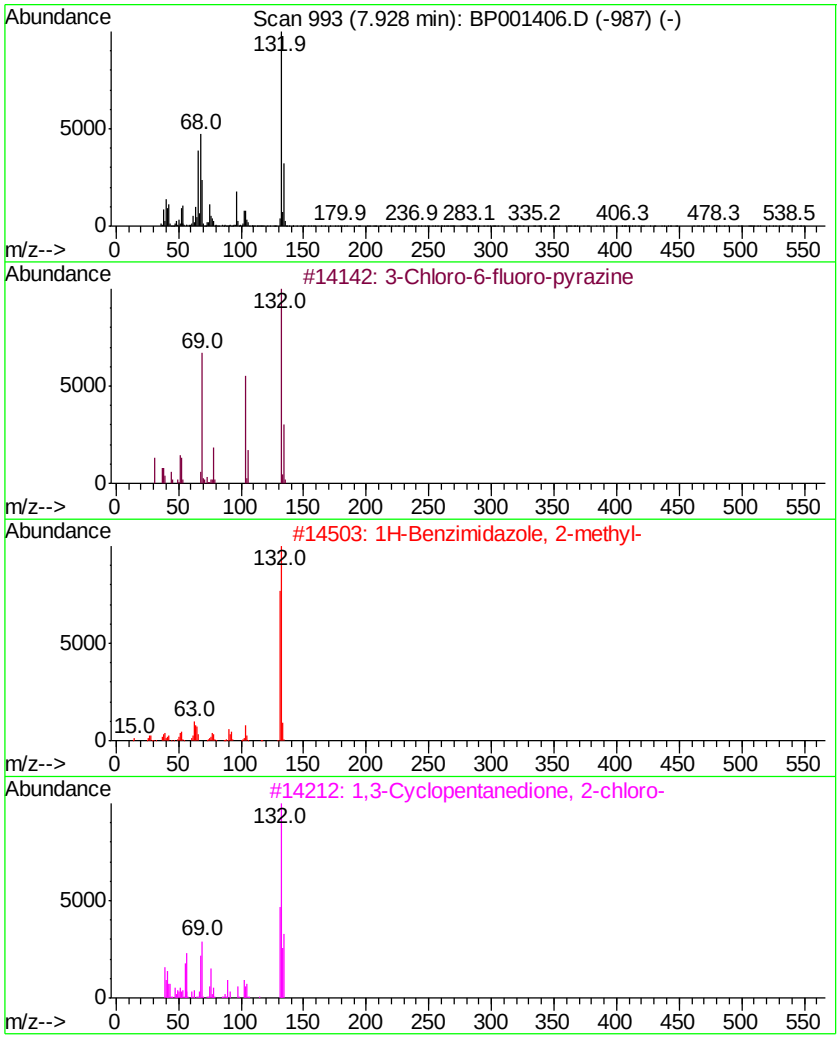
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

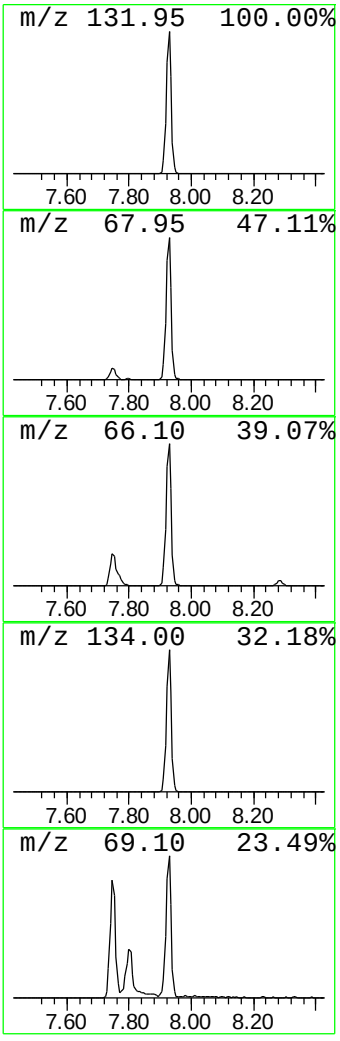
****

Peak Number 2 unknown7.93 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.93	33.20 ng	558821	1,4-Dichlorobenzene-d4	8.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	14
2	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	14
3	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	12
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\BP122419\
Data File : BP001406.D
Acq On : 25 Dec 2019 01:04
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Sample : K6399-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 161-CHURCH-ST-NORTH-HALEDO

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP121919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

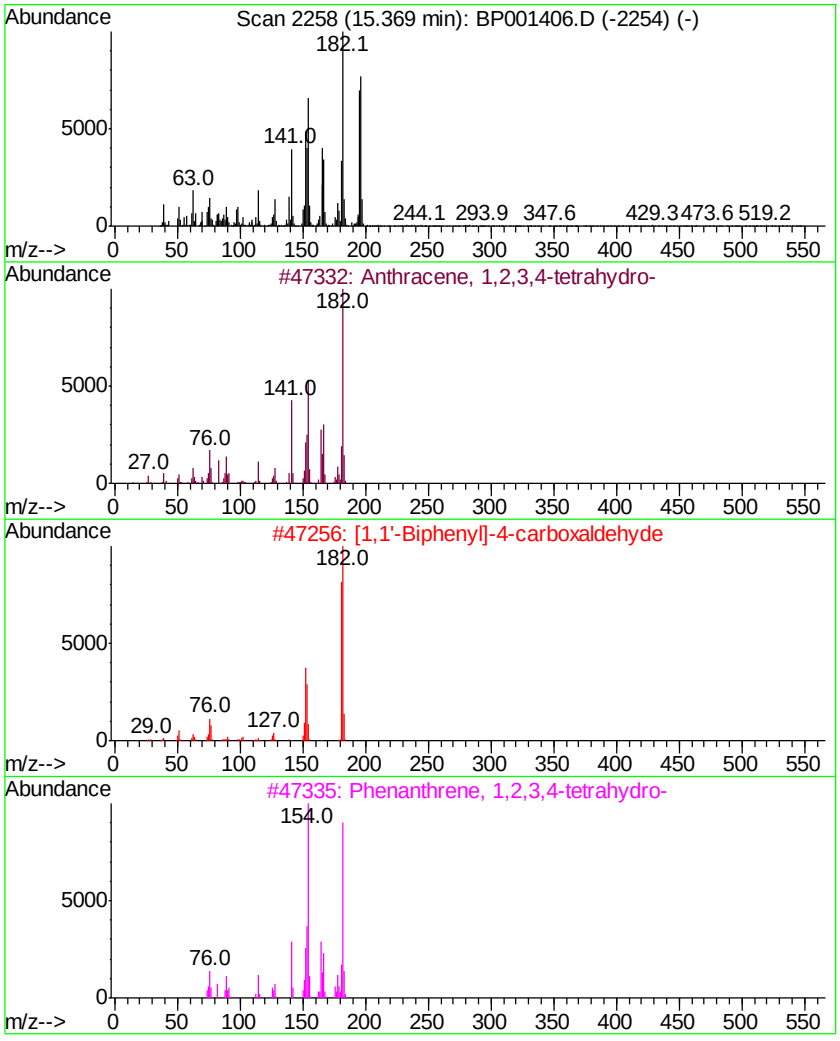
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

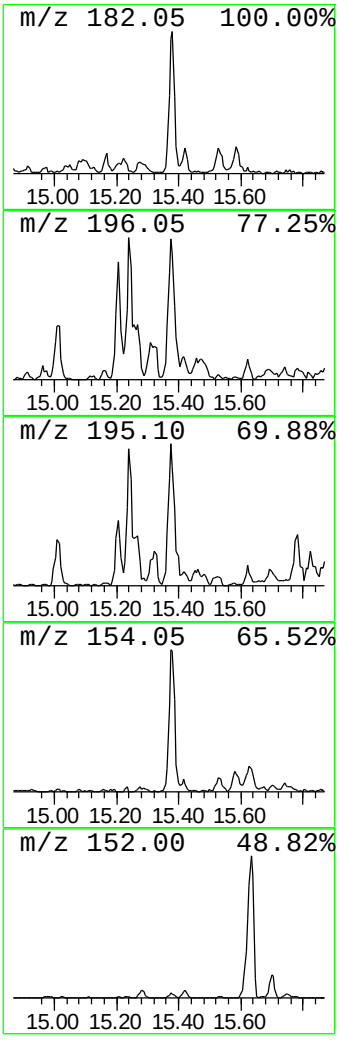
****

Peak Number 4 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	5.61 ng	110359	Phenanthrene-d10	15.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	83
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	56
3	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	53
4	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	42
5	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	41





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122419\
Data File : BP001406.D
Acq On : 25 Dec 2019 01:04
Operator : JU
Sample : K6399-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 161-CHURCH-ST-NORTH-HALEDO

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP121919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

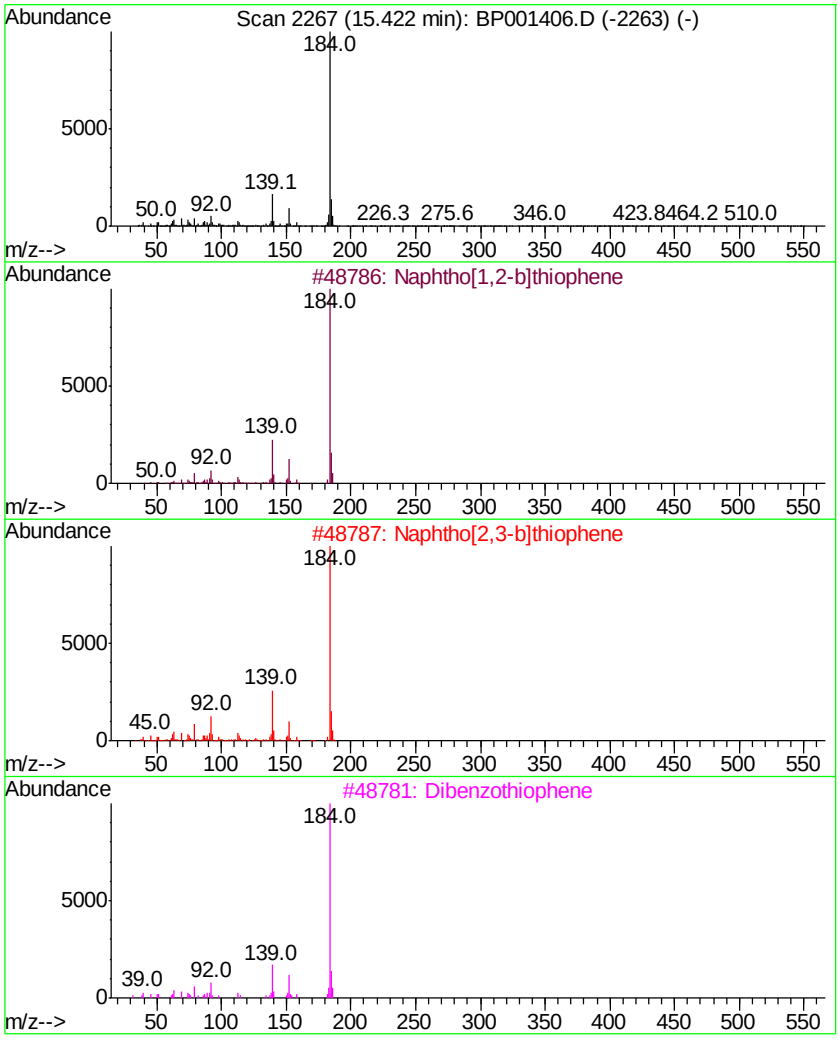
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

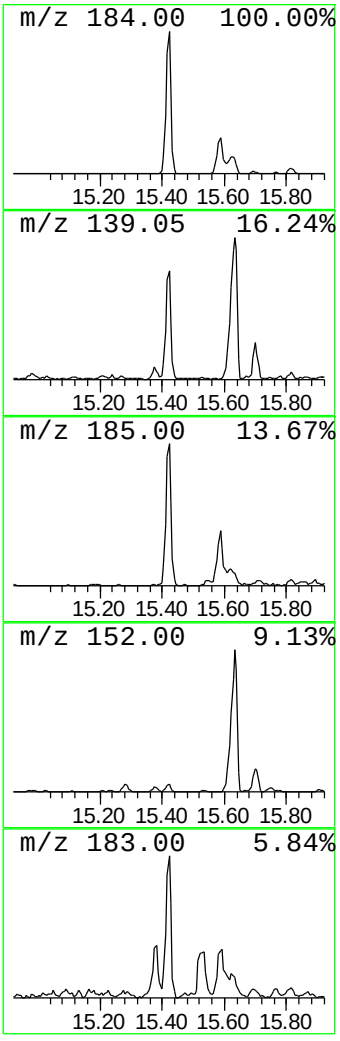
****

Peak Number 5 Naphtho[1,2-b]thiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.42	9.78 ng	192177	Phenanthrene-d10	15.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122419\
Data File : BP001406.D
Acq On : 25 Dec 2019 01:04
Operator : JU
Sample : K6399-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 161-CHURCH-ST-NORTH-HALEDO

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP121919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

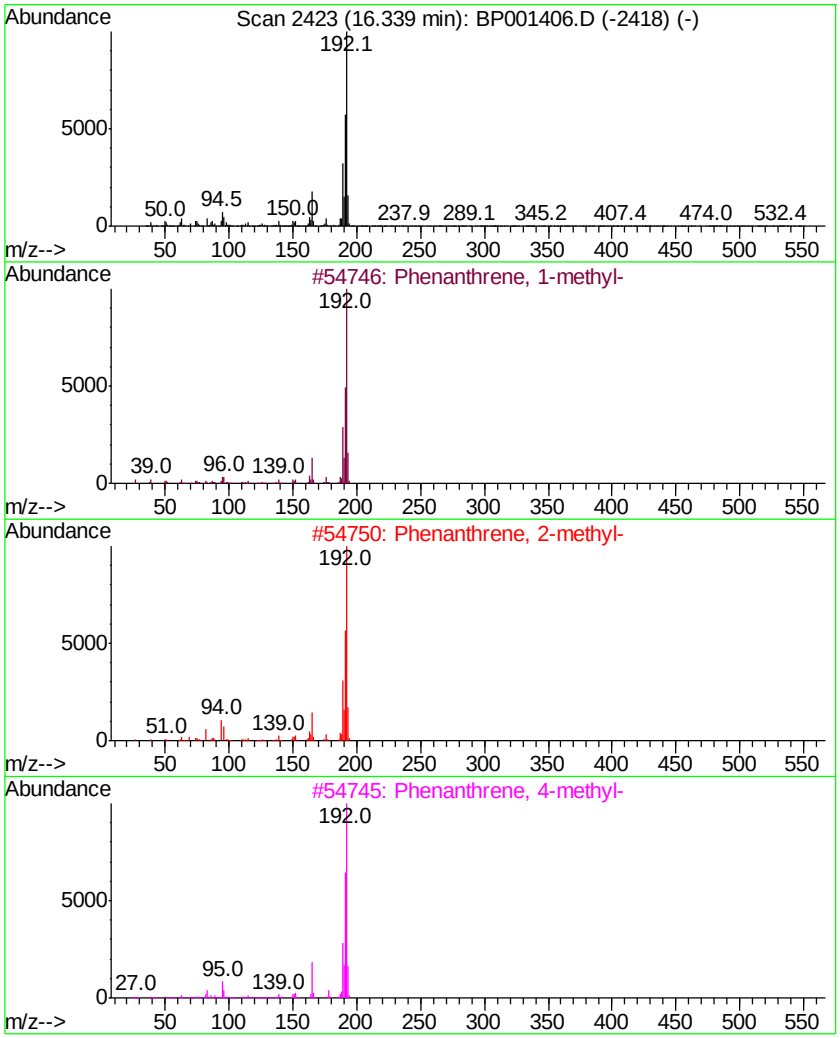
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

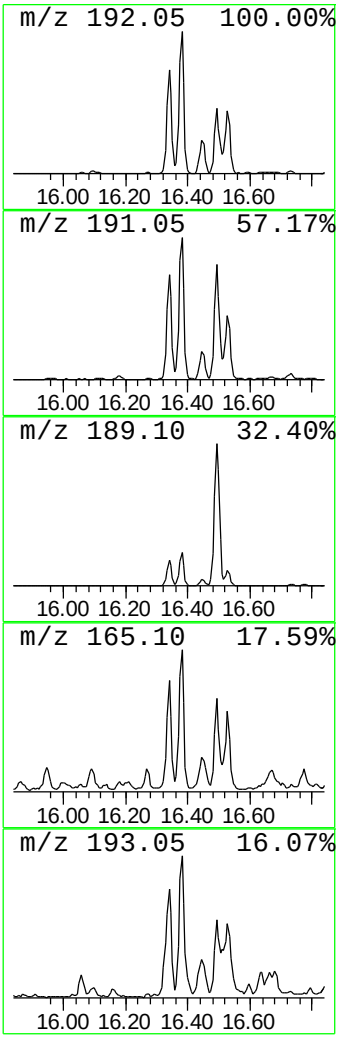
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.34	14.21 ng	279362	Phenanthrene-d10	15.59

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	95
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





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Acq On : 25 Dec 2019 01:04
Operator : JU
Sample : K6399-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 161-CHURCH-ST-NORTH-HALEDO

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP121919.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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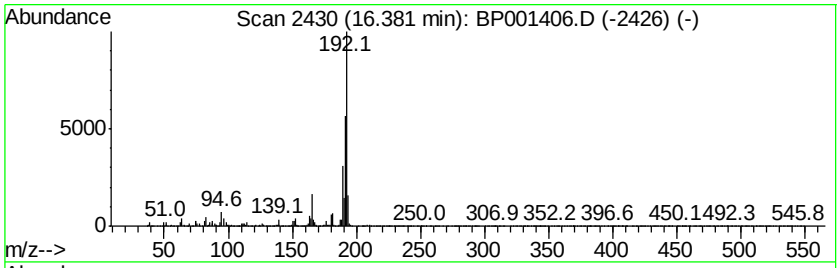
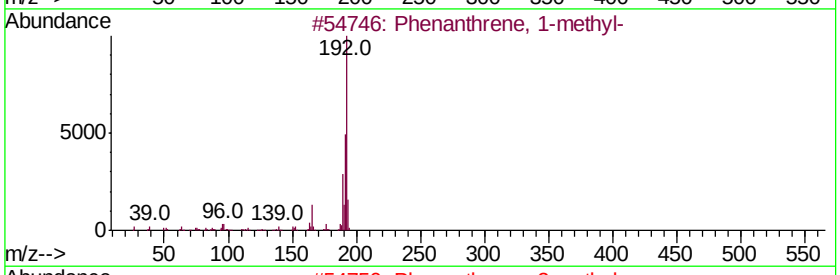
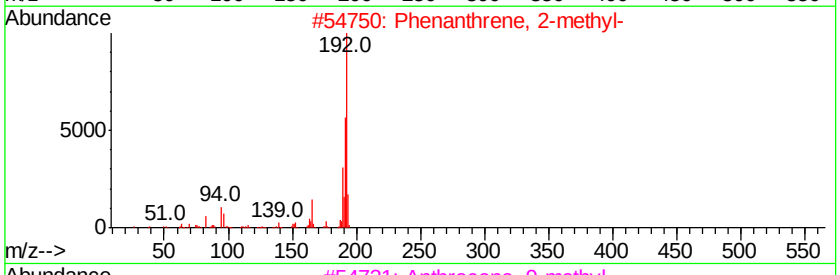
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 6

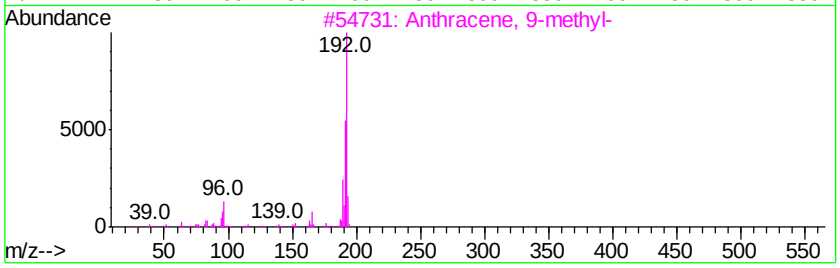
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.38	20.65 ng	405944	Phenanthrene-d10	15.59

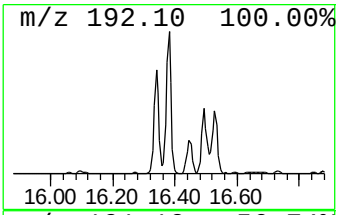
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94

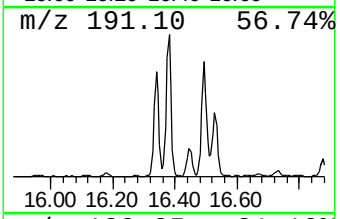


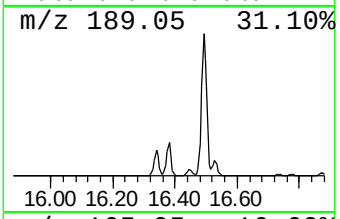


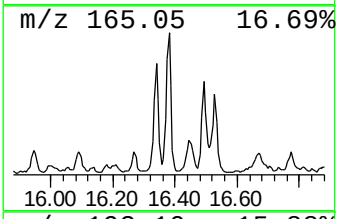


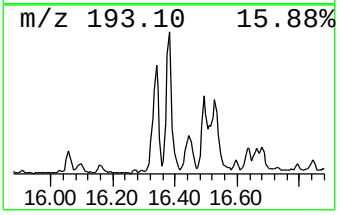












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Data File : BP001406.D
Acq On : 25 Dec 2019 01:04
Operator : JU
Sample : K6399-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 161-CHURCH-ST-NORTH-HALEDO

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP121919.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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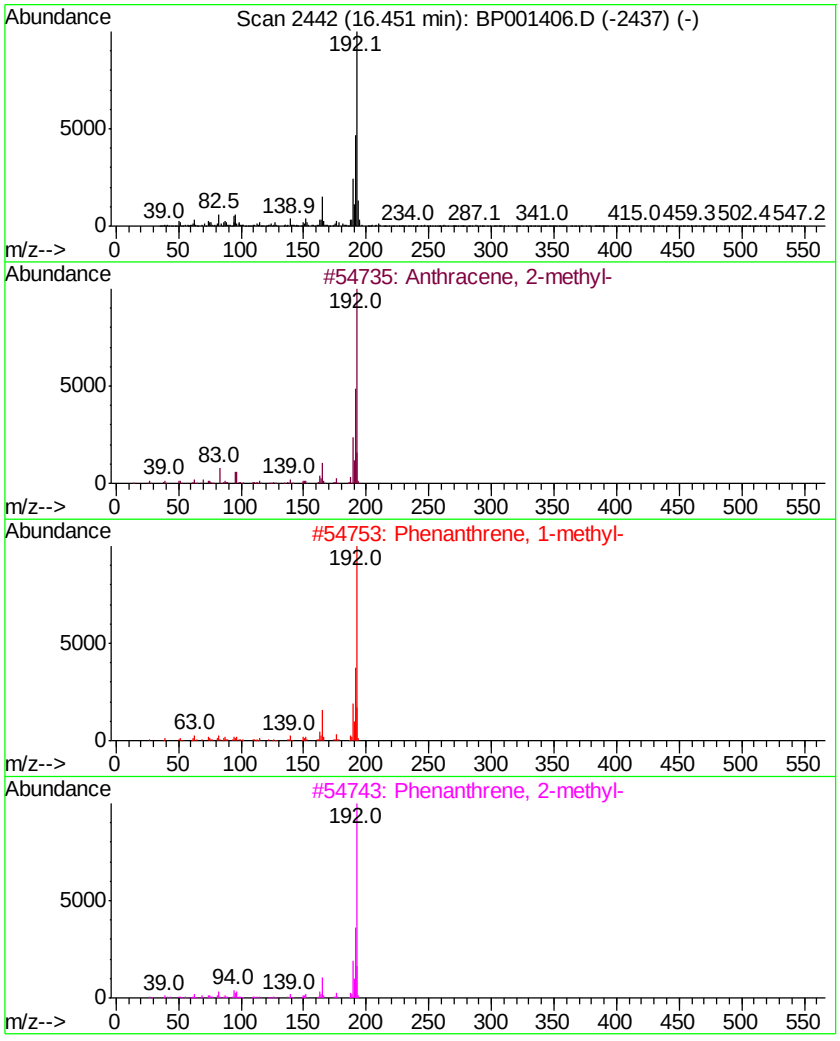
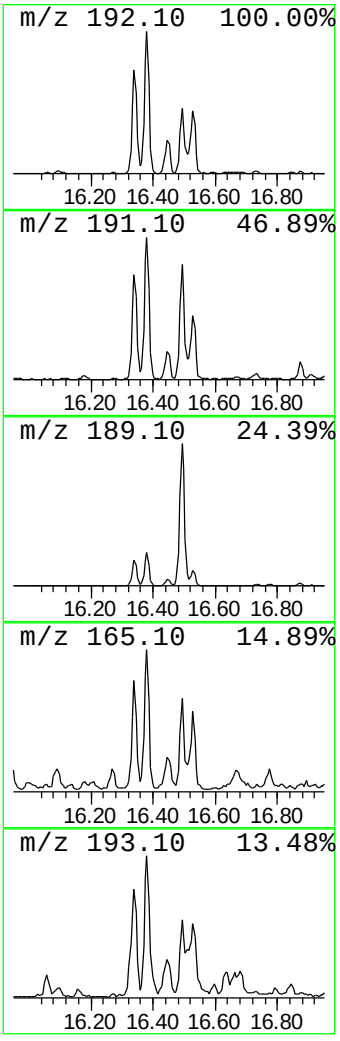
Peak Number 8 Anthracene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.45	5.19 ng	102115	Phenanthrene-d10	15.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





Library Search Compound Report

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Data File : BP001406.D
Acq On : 25 Dec 2019 01:04
Operator : JU
Sample : K6399-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 161-CHURCH-ST-NORTH-HALEDO

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP121919.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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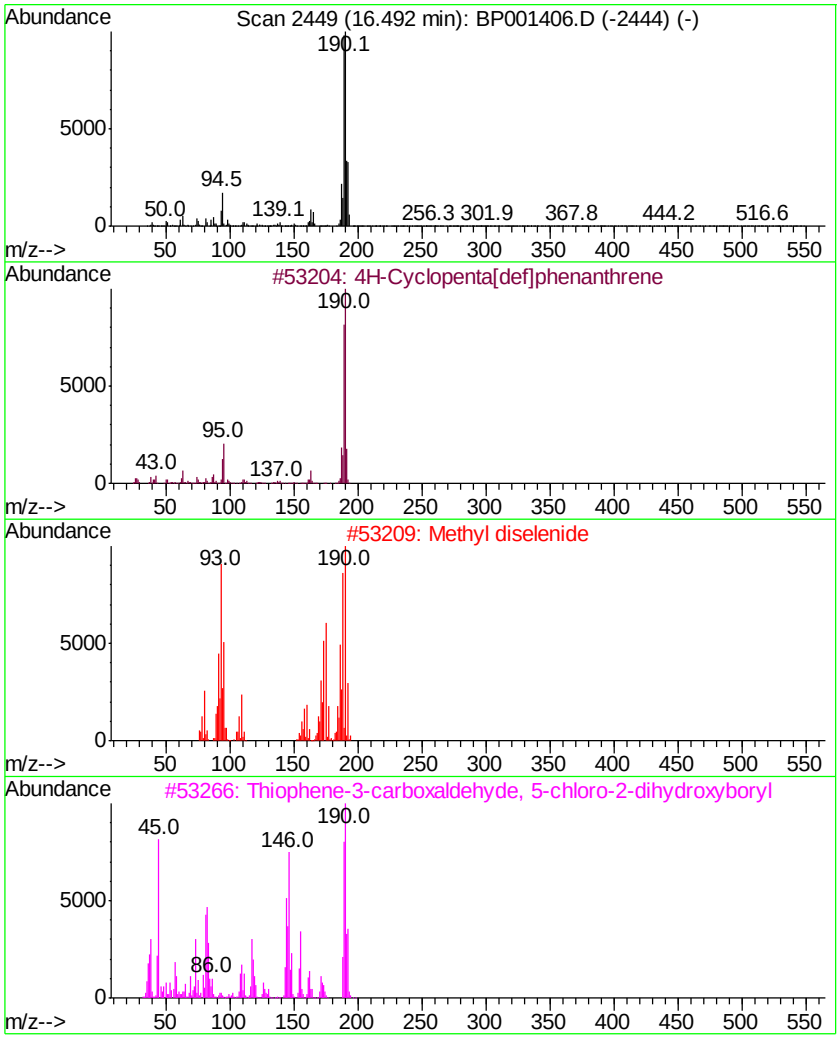
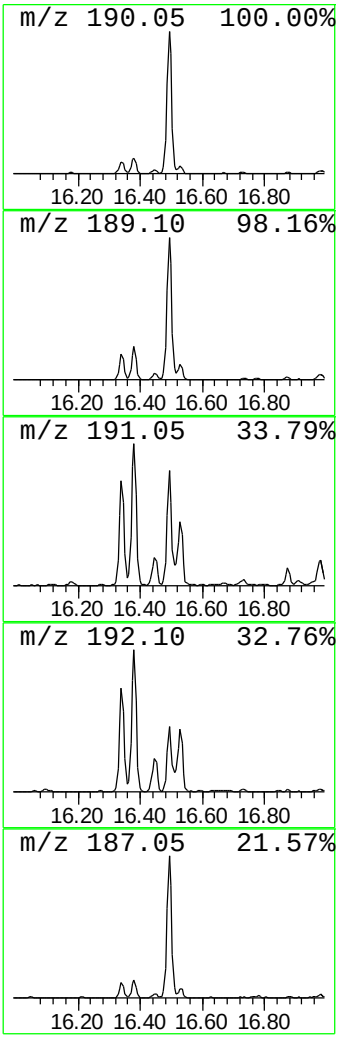
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.49	39.05 ng	767635	Phenanthrene-d10	15.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Methyl diselenide	190	C2H6Se2	007101-31-7	55
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





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Operator : JU
Sample : K6399-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 161-CHURCH-ST-NORTH-HALEDO

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP121919.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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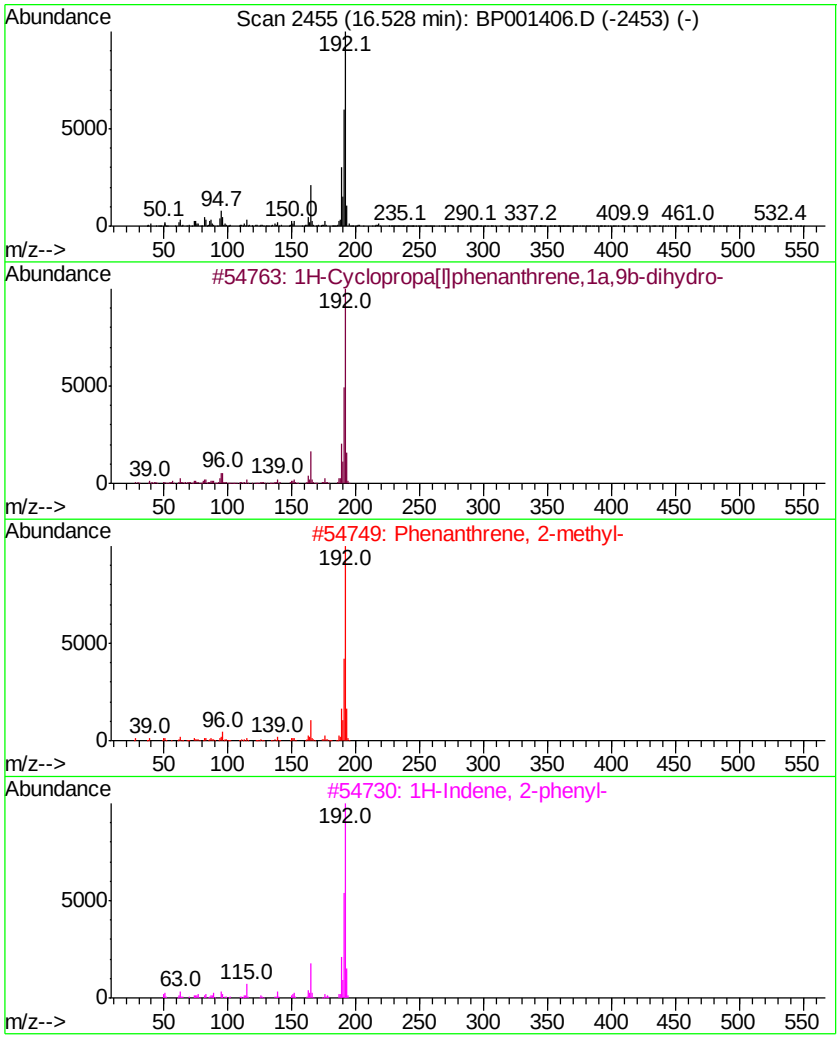
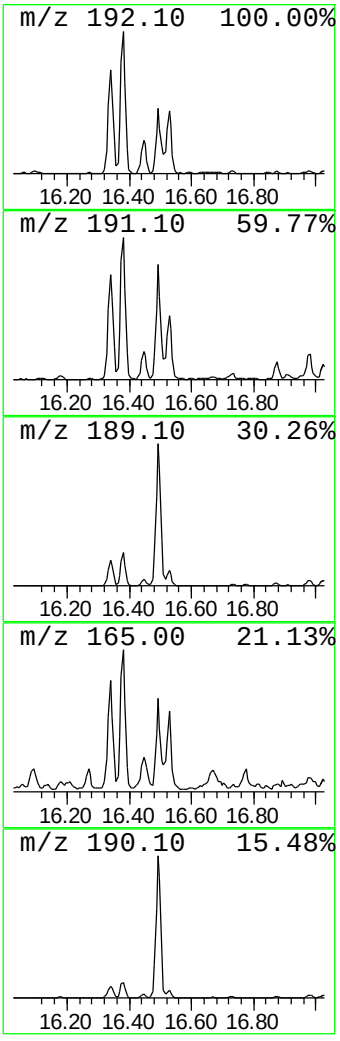
Peak Number 10 1H-Cyclopropa[l]phenanthren... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.53	8.59 ng	168896	Phenanthrene-d10	15.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81
4	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	81
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	76





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Sample : K6399-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 161-CHURCH-ST-NORTH-HALEDO

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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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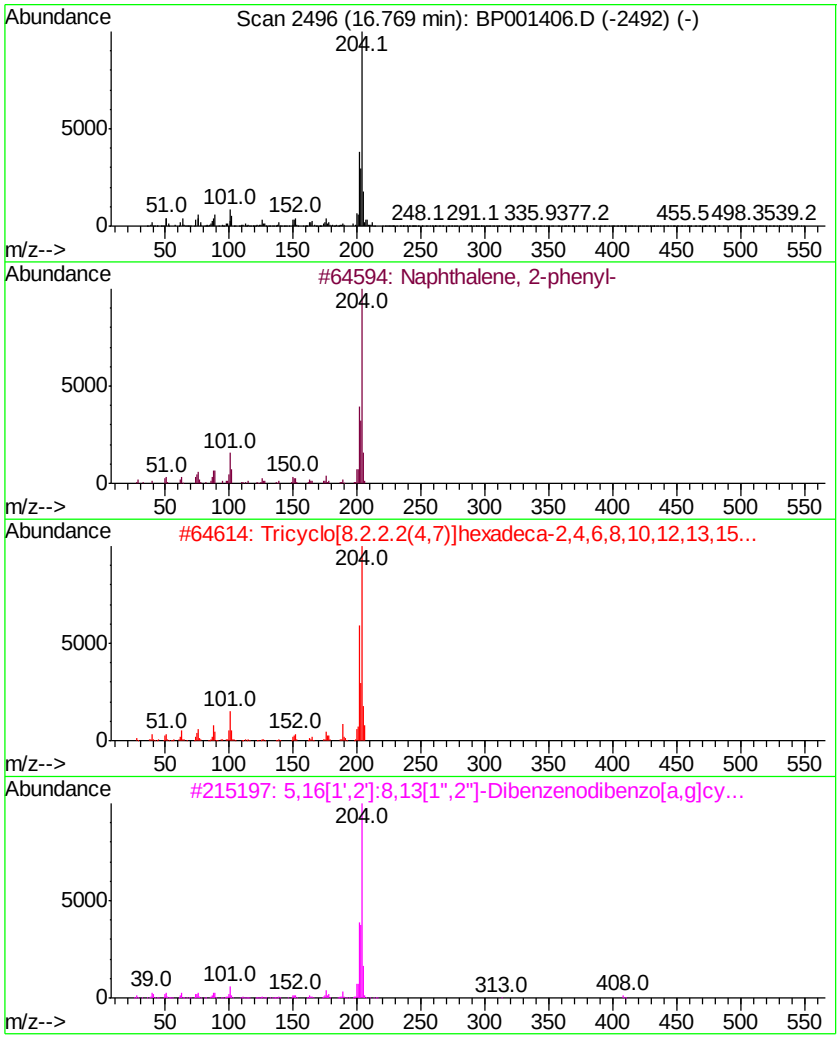
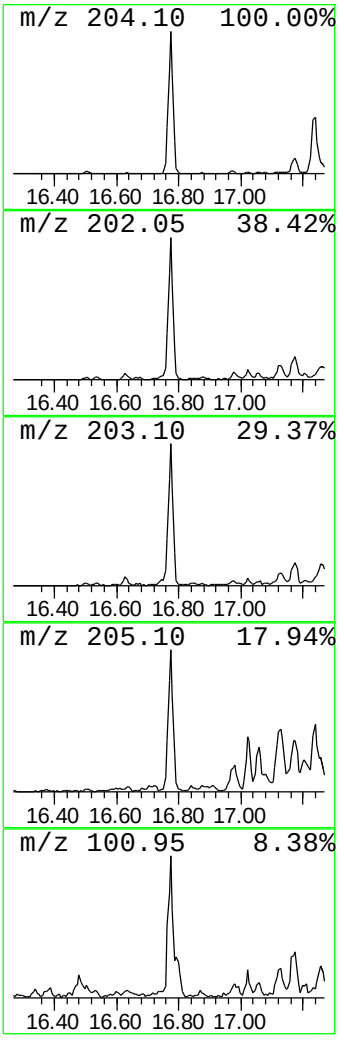
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	12.89 ng	253453	Phenanthrene-d10	15.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
4	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	64
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	59





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Sample : K6399-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 161-CHURCH-ST-NORTH-HALEDO

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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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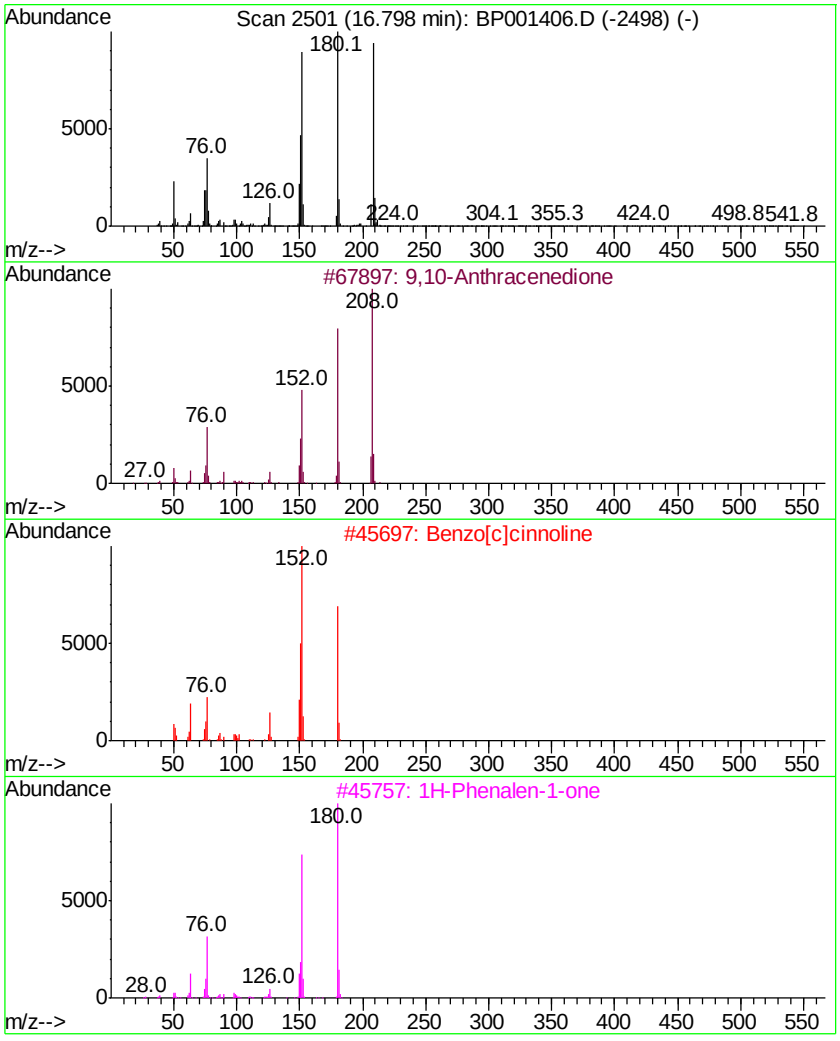
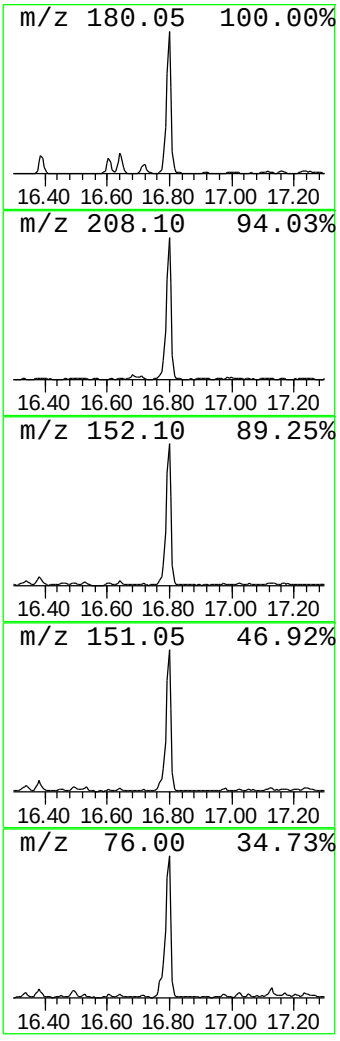
Peak Number 12 9,10-Anthracenedione Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.80	25.52 ng	501618	Phenanthrene-d10	15.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	58
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	55





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Misc :
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Instrument : BNA_P
ClientSampleId : 161-CHURCH-ST-NORTH-HALEDO

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP121919.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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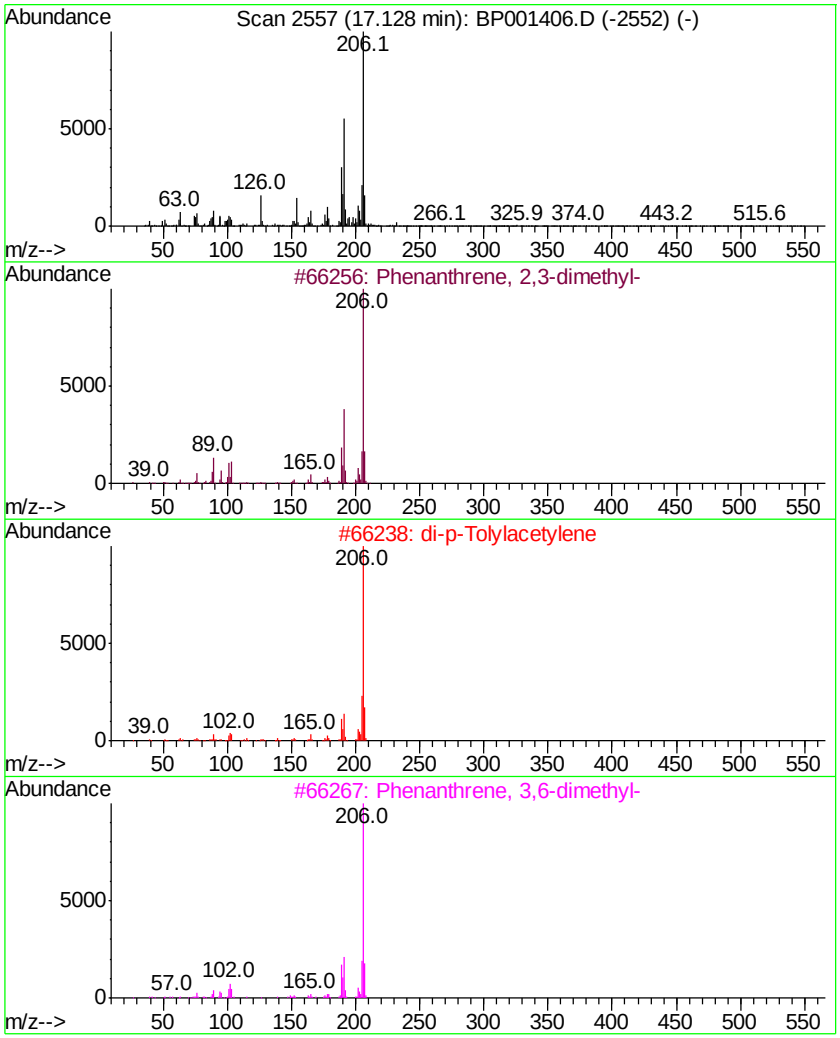
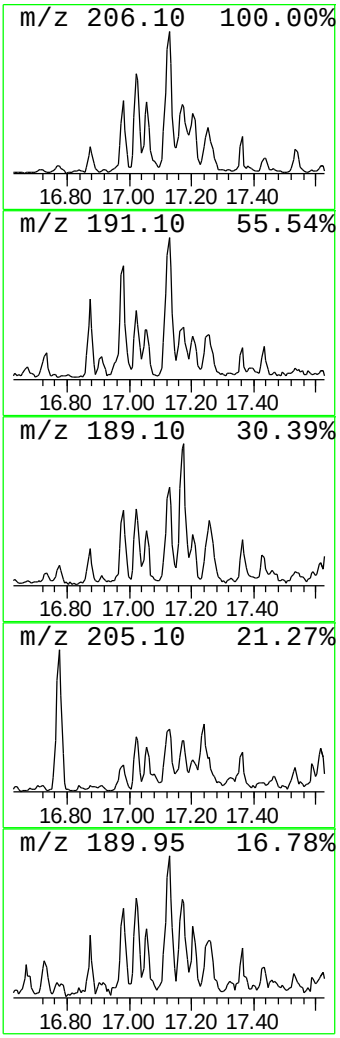
Peak Number 13 Phenanthrene, 2,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.13	7.94 ng	156059	Phenanthrene-d10	15.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86





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Sample : K6399-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 161-CHURCH-ST-NORTH-HALEDO

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP121919.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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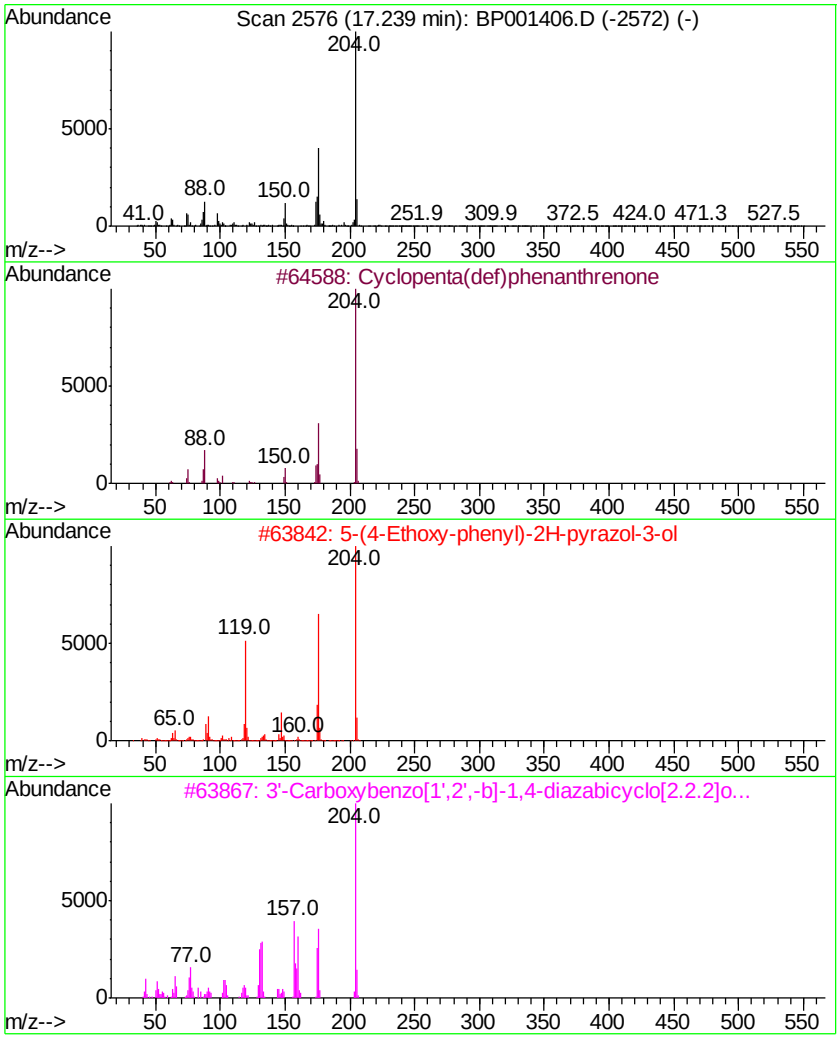
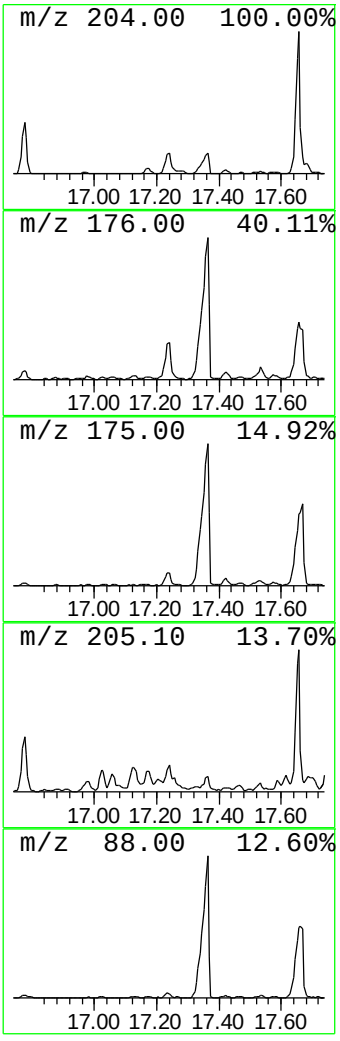
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.24	9.02 ng	177260	Phenanthrene-d10	15.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	64
3	3'-Carboxybenzo[1',2',-b]-1,4-di...	204	C11H12N2O2	138023-41-3	53
4	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	45
5	4-Methyl-6,7-methylenedioxycoumarin	204	C11H8O4	015071-04-2	42





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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP121919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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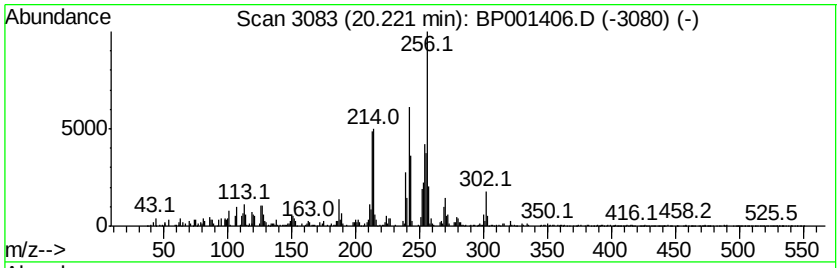
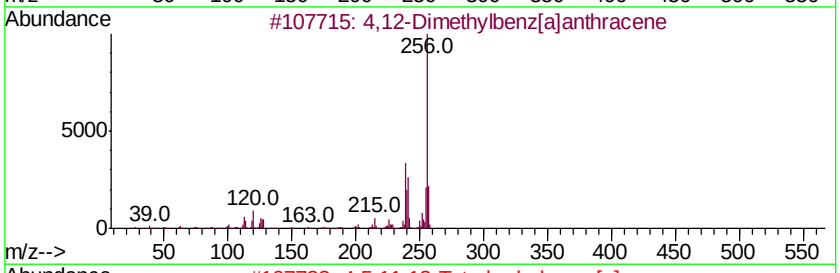
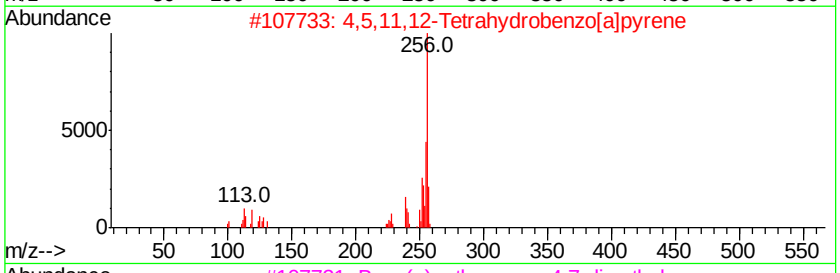
Peak Number 15 4,12-Dimethylbenz[a]anthracene Concentration Rank 20

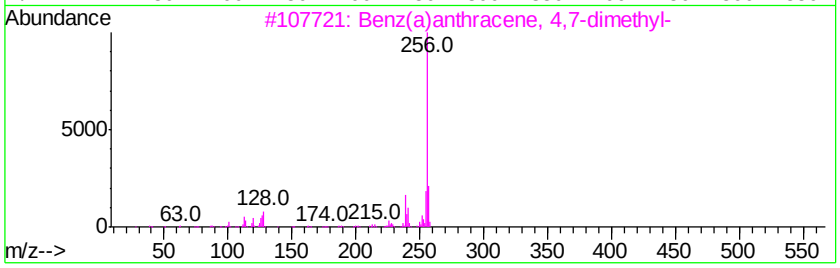
R.T.	EstConc	Area	Relative to ISTD	R.T.
20.22	4.69 ng	104977	Perylene-d12	21.02

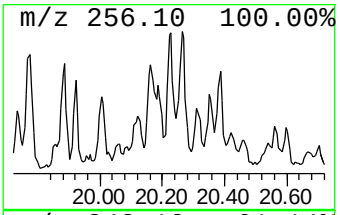
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,12-Dimethylbenz[a]anthracene	256	C20H16	035187-19-0	74
2	4,5,11,12-Tetrahydrobenzo[a]pyrene	256	C20H16	109292-58-2	51
3	Benz(a)anthracene, 4,7-dimethyl-	256	C20H16	035187-18-9	38
4	4,5,6,7-Tetrafluorobenzo-2,1,3-s...	256	C6F4N2Se	019227-22-6	38
5	3-[(2-Methyl-5-nitro-phenylimino...	256	C14H12N2O3	1000297-24-5	35

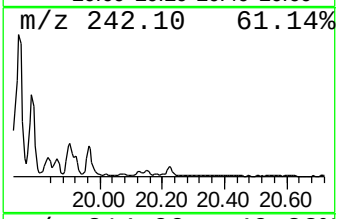


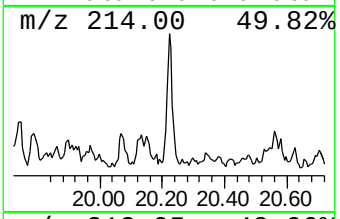


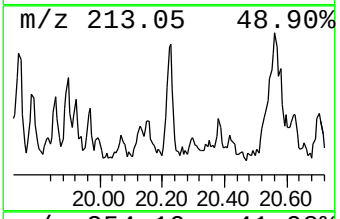


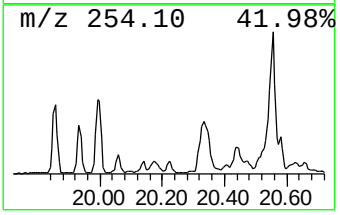












Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122419\
Data File : BP001406.D
Acq On : 25 Dec 2019 01:04
Operator : JU
Sample : K6399-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 161-CHURCH-ST-NORTH-HALEDO

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP121919.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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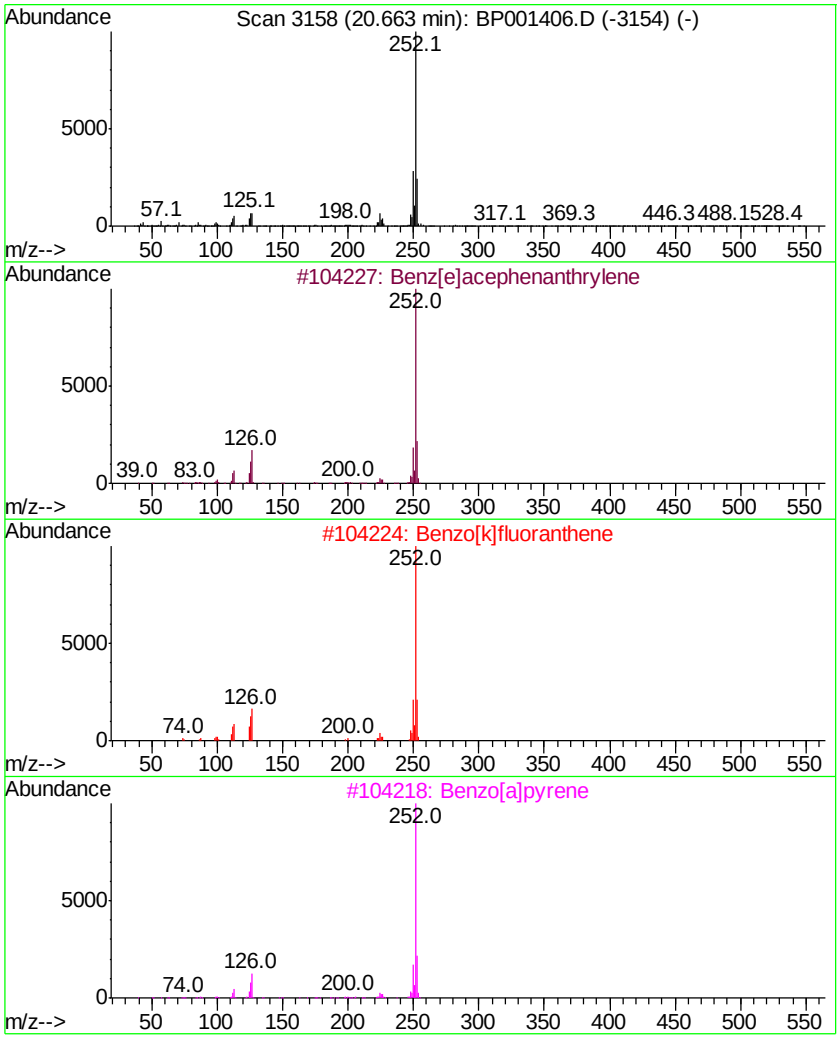
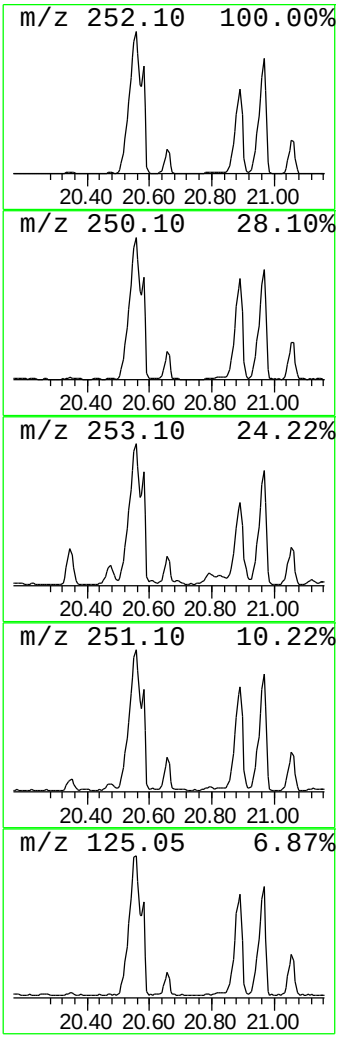
Peak Number 16 Perylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.66	17.34 ng	388015	Perylene-d12	21.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
3	Benzo[a]pyrene	252	C20H12	000050-32-8	83
4	(1-Cyclopentenyl)ferrocene	252	C15H16Fe	012260-67-2	72
5	Perylene	252	C20H12	000198-55-0	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122419\
Data File : BP001406.D
Acq On : 25 Dec 2019 01:04
Operator : JU
Sample : K6399-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 161-CHURCH-ST-NORTH-HALEDO

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP121919.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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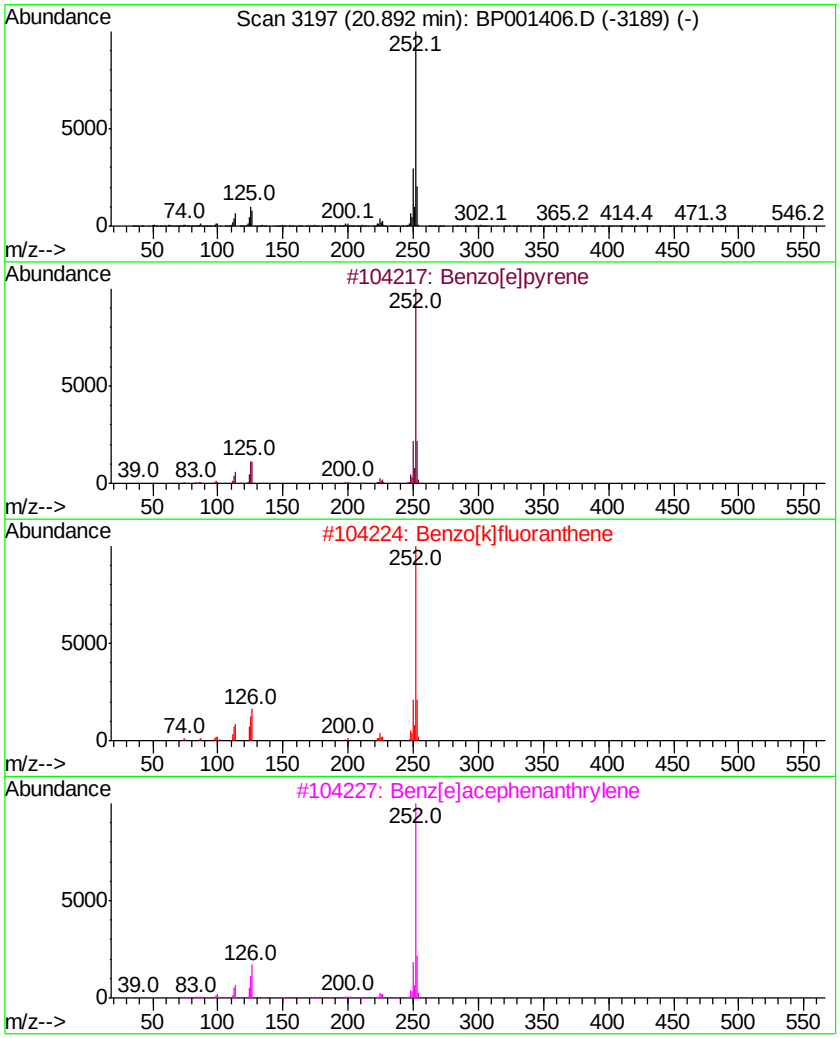
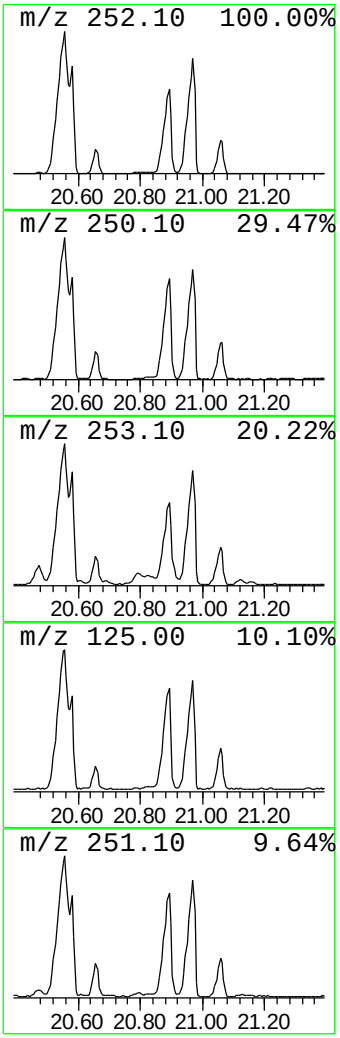
Peak Number 17 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.89	92.57 ng	2071480	Perylene-d12	21.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Perylene	252	C20H12	000198-55-0	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122419\
Data File : BP001406.D
Acq On : 25 Dec 2019 01:04
Operator : JU
Sample : K6399-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 161-CHURCH-ST-NORTH-HALEDO

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP121919.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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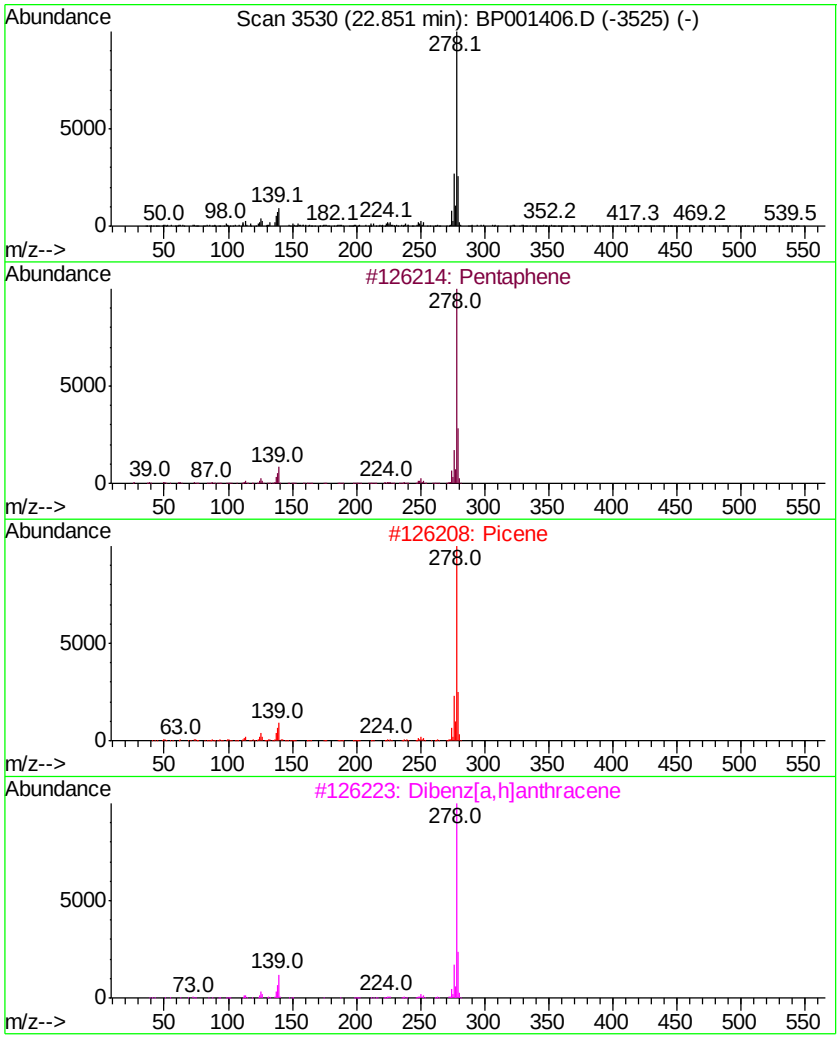
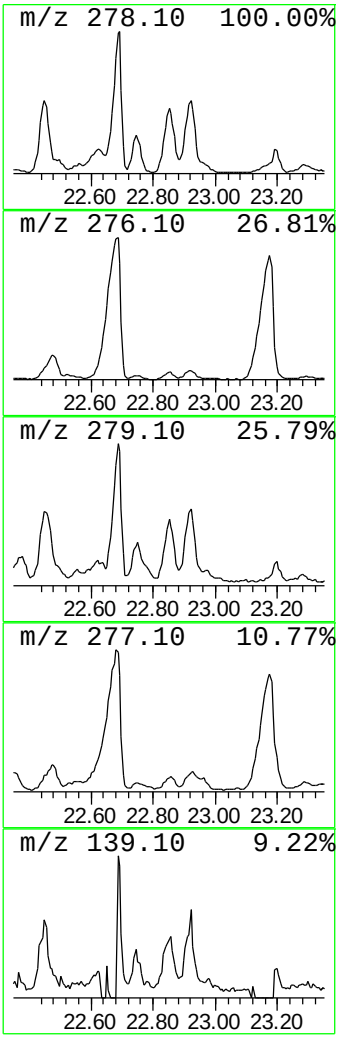
Peak Number 18 Pentaphene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.85	8.09 ng	180954	Perylene-d12	21.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentaphene	278	C22H14	000222-93-5	96
2	Picene	278	C22H14	000213-46-7	96
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	95
4	Benzo[b]chrysene	278	C22H14	000214-17-5	93
5	Benzo[b]triphenylene	278	C22H14	000215-58-7	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122419\
Data File : BP001406.D
Acq On : 25 Dec 2019 01:04
Operator : JU
Sample : K6399-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 161-CHURCH-ST-NORTH-HALEDO

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP121919.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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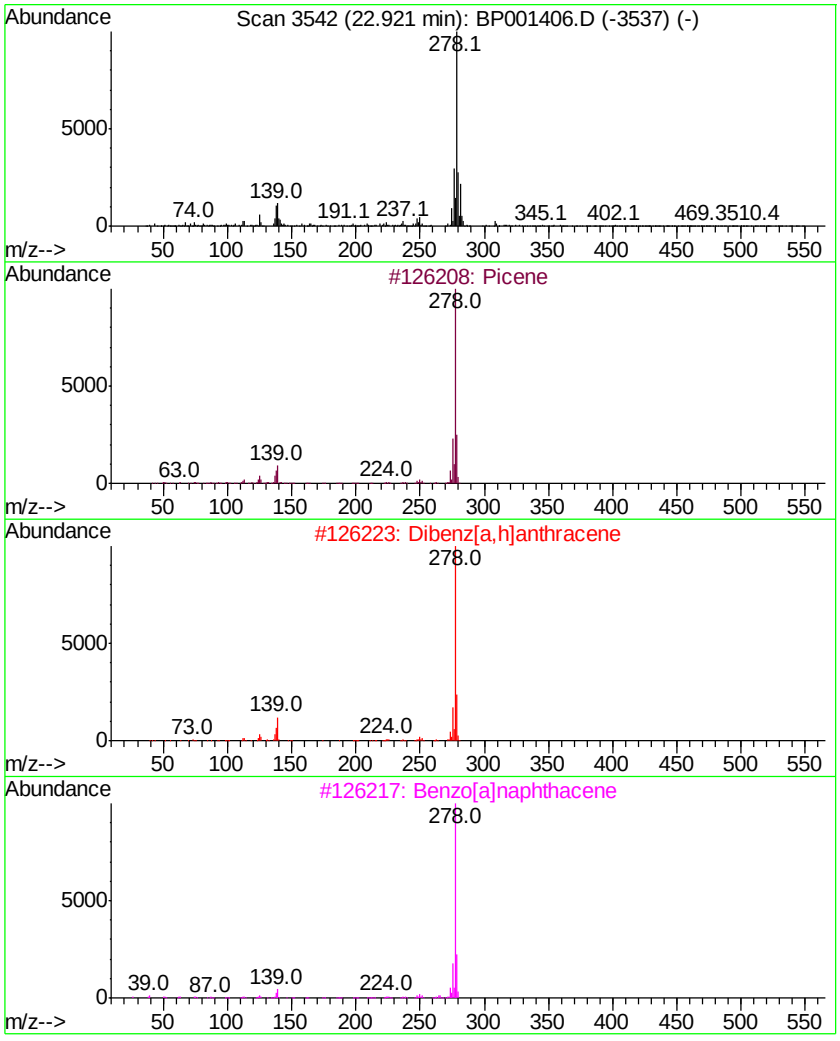
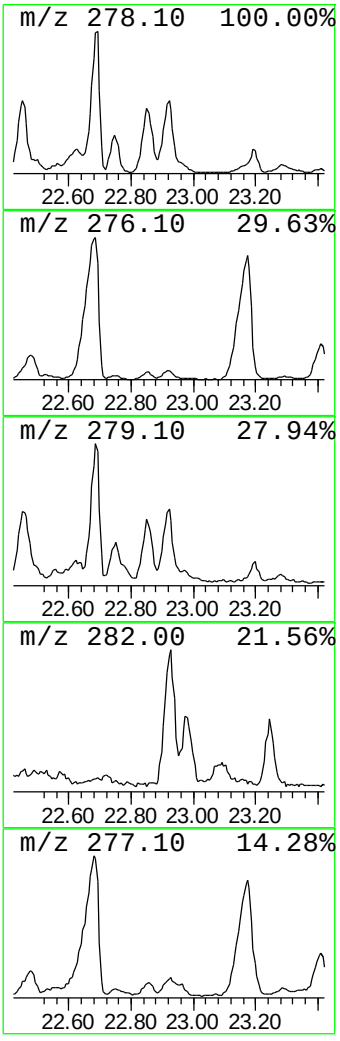
Peak Number 19 Picene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.92	9.44 ng	211194	Perylene-d12	21.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	96
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	92
3	Benzo[a]naphthacene	278	C22H14	000226-88-0	86
4	Pentacene	278	C22H14	000135-48-8	83
5	Benzo[b]chrysene	278	C22H14	000214-17-5	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP122419\
Data File : BP001406.D
Acq On : 25 Dec 2019 01:04
Operator : JU
Sample : K6399-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 161-CHURCH-ST-NORTH-HALEDO

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP121919.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...	5.59	6.8	ng	114092	1	8.29	336597	20.0
unknown7.93	7.93	33.2	ng	558821	1	8.29	336597	20.0
Anthracene, 1,2,3...	15.37	5.6	ng	110359	4	15.59	393133	20.0
Naphtho[1,2-b]thi...	15.42	9.8	ng	192177	4	15.59	393133	20.0
Phenanthrene, 1-m...	16.34	14.2	ng	279362	4	15.59	393133	20.0
Phenanthrene, 2-m...	16.38	20.6	ng	405944	4	15.59	393133	20.0
Anthracene, 2-met...	16.45	5.2	ng	102115	4	15.59	393133	20.0
4H-Cyclopenta[def...	16.49	39.0	ng	767635	4	15.59	393133	20.0
1H-Cyclopropa[l]p...	16.53	8.6	ng	168896	4	15.59	393133	20.0
Naphthalene, 2-ph...	16.77	12.9	ng	253453	4	15.59	393133	20.0
9,10-Anthracenedione	16.80	25.5	ng	501618	4	15.59	393133	20.0
Phenanthrene, 2,3...	17.13	7.9	ng	156059	4	15.59	393133	20.0
Cyclopenta(def)ph...	17.24	9.0	ng	177260	4	15.59	393133	20.0
4,12-Dimethylbenz...	20.22	4.7	ng	104977	6	21.02	447534	20.0
Perylene	20.66	17.3	ng	388015	6	21.02	447534	20.0
Benzo[e]pyrene	20.89	92.6	ng	2071480	6	21.02	447534	20.0
Pentaphene	22.85	8.1	ng	180954	6	21.02	447534	20.0
Picene	22.92	9.4	ng	211194	6	21.02	447534	20.0