LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120519\
Data File : BP001223.D
Acq On : 05 Dec 2019 20:57
Operator : JU
Sample : K6145-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TH-3

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.617	596	600	617	rVB	264023	408568	2.28%	0.226%
2	6.217	696	702	718	rBV	1565922	1961150	10.96%	1.086%
3	7.758	958	964	982	rBV	1727815	2193631	12.26%	1.215%
4	7.952	991	997	1008	rVB	1705847	2099959	11.74%	1.163%
5	8.311	1053	1058	1066	rBV	484426	546819	3.06%	0.303%
6	8.552	1094	1099	1104	rBV	1350401	1535588	8.58%	0.850%
7	9.193	1202	1208	1212	rBV	1178137	1363241	7.62%	0.755%
8	10.346	1399	1404	1407	rBV	604745	672902	3.76%	0.373%
9	10.381	1407	1410	1419	rVB	516803	594073	3.32%	0.329%
10	11.510	1597	1602	1609	rVB	388221	423778	2.37%	0.235%
11	11.669	1622	1629	1634	rBV	281332	319878	1.79%	0.177%
12	12.128	1700	1707	1719	rBV	1923799	2239210	12.51%	1.240%
13	12.663	1791	1798	1802	rBV	197308	272101	1.52%	0.151%
14	12.975	1845	1851	1860	rBV	265198	360857	2.02%	0.200%
15	13.210	1884	1891	1895	rBV	735097	929624	5.20%	0.515%
16	13.263	1895	1900	1904	rVV	1459995	1709836	9.56%	0.947%
17	13.546	1942	1948	1956	rBV	1133237	1373056	7.67%	0.760%
18	14.110	2039	2044	2050	rVB	2039810	2522550	14.10%	1.397%
19	14.381	2085	2090	2100	rVB	320232	453423	2.53%	0.251%
20	14.498	2100	2110	2121	rBV2	1400180	2223786	12.43%	1.231%
21	15.010	2191	2197	2200	rBV2	245558	409318	2.29%	0.227%
22	15.304	2243	2247	2258	rVB2	262104	426379	2.38%	0.236%
23	15.445	2267	2271	2275	rVB	805587	907263	5.07%	0.502%
24	15.610	2294	2299	2301	rBV	438576	670419	3.75%	0.371%
25	15.675	2301	2310	2313	rVV	9122263	15839499	88.52%	8.770%
26	15.734	2313	2320	2324	rVV	3491734	4052623	22.65%	2.244%
27	15.969	2356	2360	2366	rVB	987143	1085010	6.06%	0.601%
28	16.081	2372	2379	2381	rBV3	207667	267360	1.49%	0.148%
29	16.363	2421	2427	2430	rBV	979995	1111284	6.21%	0.615%
30	16.404	2430	2434	2440	rVB	1342732	1511595	8.45%	0.837%
31	16.469	2440	2445	2448	rBV	452317	600915	3.36%	0.333%
32	16.522	2448	2454	2457	rVV	2225666	2867133	16.02%	1.587%
33	16.551	2457	2459	2467	rVB	641606	661430	3.70%	0.366%
34	16.798	2496	2501	2503	rBV	833149	1064250	5.95%	0.589%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120519\
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Acq On : 05 Dec 2019 20:57
Operator : JU
Sample : K6145-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TH-3

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

35	17.145	2554	2560	2564	rBV2	384032	634693	3.55%	0.351%
36	17.192	2564	2568	2572	rBV2	197416	272780	1.52%	0.151%
37	17.257	2576	2579	2589	rVB3	267332	606307	3.39%	0.336%
38	17.387	2590	2601	2604	rBV	9373526	17894350	100.00%	9.907%
39	17.445	2607	2611	2615	rBV3	271299	356221	1.99%	0.197%
40	17.487	2615	2618	2625	rVB3	170334	234288	1.31%	0.130%
41	17.557	2625	2630	2634	rBV2	604857	755414	4.22%	0.418%
42	17.681	2642	2651	2652	rBV2	7697935	11620007	64.94%	6.434%
43	17.739	2658	2661	2664	rVB	420514	411577	2.30%	0.228%
44	17.839	2671	2678	2680	rBV	708323	824581	4.61%	0.457%
45	17.892	2680	2687	2691	rVB2	2068010	2657481	14.85%	1.471%
46	17.945	2693	2696	2698	rBV	319466	385115	2.15%	0.213%
47	17.975	2698	2701	2704	rVV	545709	795943	4.45%	0.441%
48	18.004	2704	2706	2709	rVB	356822	325811	1.82%	0.180%
49	18.092	2714	2721	2722	rBV2	479252	860521	4.81%	0.476%
50	18.122	2722	2726	2729	rVB	1816074	2093774	11.70%	1.159%
51	18.210	2736	2741	2744	rBV	1657935	1871162	10.46%	1.036%
52	18.251	2744	2748	2752	rBV	1053028	1204788	6.73%	0.667%
53	18.334	2759	2762	2765	rBV2	216234	235529	1.32%	0.130%
54	18.369	2765	2768	2771	rVB	453832	444713	2.49%	0.246%
55	18.410	2771	2775	2778	rBV	477705	484393	2.71%	0.268%
56	18.628	2806	2812	2814	rBV4	155801	284563	1.59%	0.158%
57	18.781	2830	2838	2845	rVB2	457460	910126	5.09%	0.504%
58	18.928	2857	2863	2866	rBV2	1084157	1423113	7.95%	0.788%
59	18.969	2866	2870	2872	rVV	916489	1203296	6.72%	0.666%
60	18.992	2872	2874	2876	rVV	910260	928540	5.19%	0.514%
61	19.010	2876	2877	2882	rVV2	531479	648127	3.62%	0.359%
62	19.057	2882	2885	2890	rVB	499600	607183	3.39%	0.336%
63	19.145	2893	2900	2905	rBV2	456259	867019	4.85%	0.480%
64	19.257	2909	2919	2923	rBV2	4897178	10124366	56.58%	5.606%
65	19.310	2923	2928	2934	rVB	4738007	6749313	37.72%	3.737%
66	19.398	2934	2943	2946	rBV	1583605	1950965	10.90%	1.080%
67	19.433	2946	2949	2952	rBV	459400	488665	2.73%	0.271%
68	19.498	2957	2960	2963	rVV	611648	748482	4.18%	0.414%
69	19.528	2963	2965	2966	rVV	494772	438278	2.45%	0.243%
70	19.545	2966	2968	2973	rVV	636978	751511	4.20%	0.416%
71	19.675	2984	2990	2993	rBV3	297865	541816	3.03%	0.300%

LSC Area Percent Report

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Data File : BP001223.D
Acq On : 05 Dec 2019 20:57
Operator : JU
Sample : K6145-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TH-3

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

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Peak separation: 5

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

72	19.710	2993	2996	2999	rBV	261276	248278	1.39%	0.137%
73	19.757	2999	3004	3007	rBV	902222	1107151	6.19%	0.613%
74	19.798	3007	3011	3016	rVB2	478060	566730	3.17%	0.314%
75	19.875	3021	3024	3027	rVB2	649090	633421	3.54%	0.351%
76	19.910	3027	3030	3033	rBV3	521408	666476	3.72%	0.369%
77	19.939	3033	3035	3040	rVB2	702240	752022	4.20%	0.416%
78	20.010	3045	3047	3054	rVB2	316614	391993	2.19%	0.217%
79	20.139	3063	3069	3072	rBV3	330724	717450	4.01%	0.397%
80	20.363	3100	3107	3110	rBV2	312976	573731	3.21%	0.318%
81	20.569	3132	3142	3145	rBV	4086977	9553489	53.39%	5.289%
82	20.598	3145	3147	3150	rVV	2983572	2531362	14.15%	1.402%
83	20.645	3152	3155	3157	rVV	180643	250830	1.40%	0.139%
84	20.675	3157	3160	3164	rVB	1087675	1226944	6.86%	0.679%
85	20.910	3192	3200	3206	rBV	2460137	4422389	24.71%	2.449%
86	20.992	3206	3214	3218	rVB	3985680	6785829	37.92%	3.757%
87	21.045	3218	3223	3225	rBV	609359	858657	4.80%	0.475%
88	21.086	3225	3230	3236	rVB	1445968	2255847	12.61%	1.249%
89	21.233	3248	3255	3258	rBV3	296305	670977	3.75%	0.371%
90	21.445	3288	3291	3299	rVB2	176767	351917	1.97%	0.195%
91	21.669	3326	3329	3334	rVB2	357466	489844	2.74%	0.271%
92	21.833	3353	3357	3362	rVB	172739	274576	1.53%	0.152%
93	22.492	3460	3469	3478	rBV5	386020	1423197	7.95%	0.788%
94	22.727	3493	3509	3513	rVB2	1880822	5341347	29.85%	2.957%
95	22.780	3514	3518	3527	rVB	215659	461913	2.58%	0.256%
96	22.892	3528	3537	3542	rBV	442456	1141333	6.38%	0.632%
97	22.957	3543	3548	3553	rBV2	313630	606352	3.39%	0.336%
98	23.222	3578	3593	3602	rBV	1411161	4713443	26.34%	2.610%
99	23.351	3608	3615	3624	rBV7	149025	522327	2.92%	0.289%
100	23.457	3625	3633	3650	rVB3	570840	1761155	9.84%	0.975%

Sum of corrected areas: 180614299

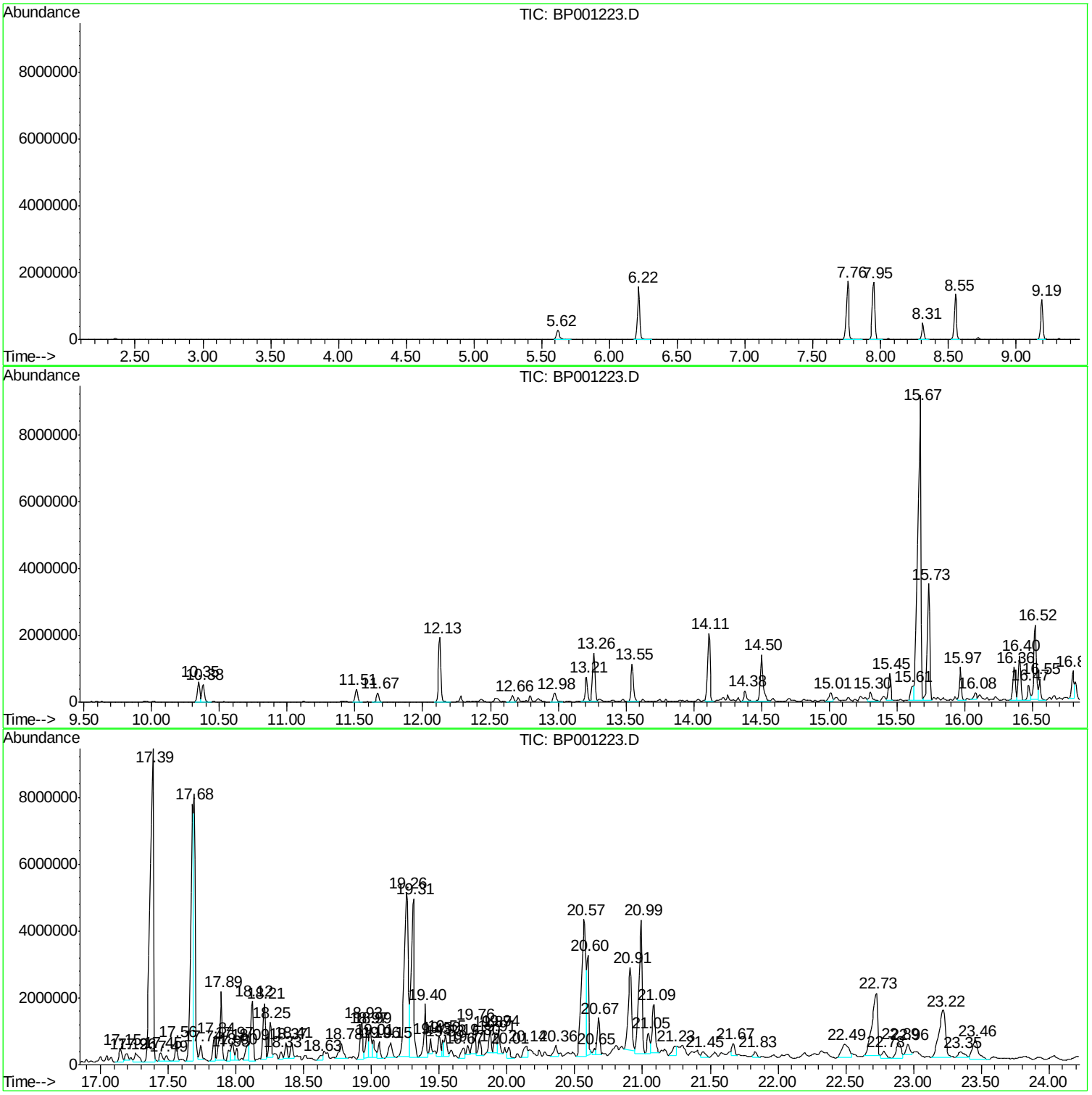
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120519\
Data File : BP001223.D
Acq On : 05 Dec 2019 20:57
Operator : JU
Sample : K6145-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TH-3

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

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120519\
Data File : BP001223.D
Acq On : 05 Dec 2019 20:57
Operator : JU
Sample : K6145-03
Misc :
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Instrument : BNA_P
ClientSampleId : TH-3

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

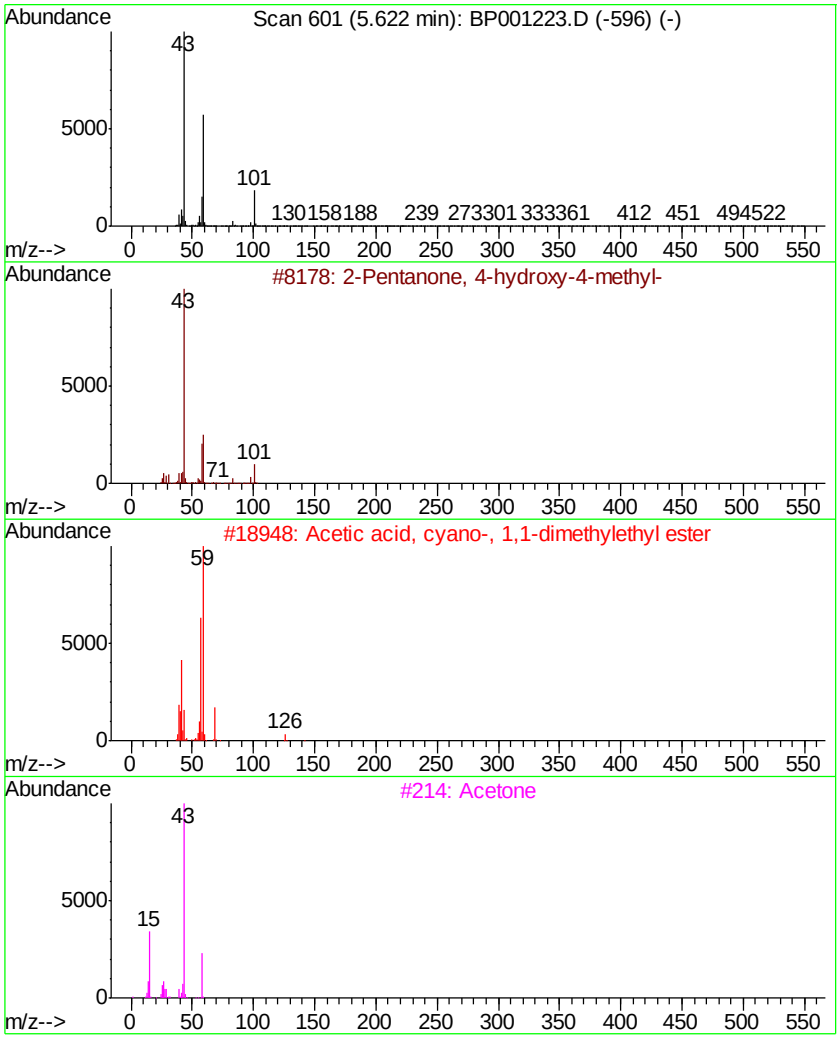
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

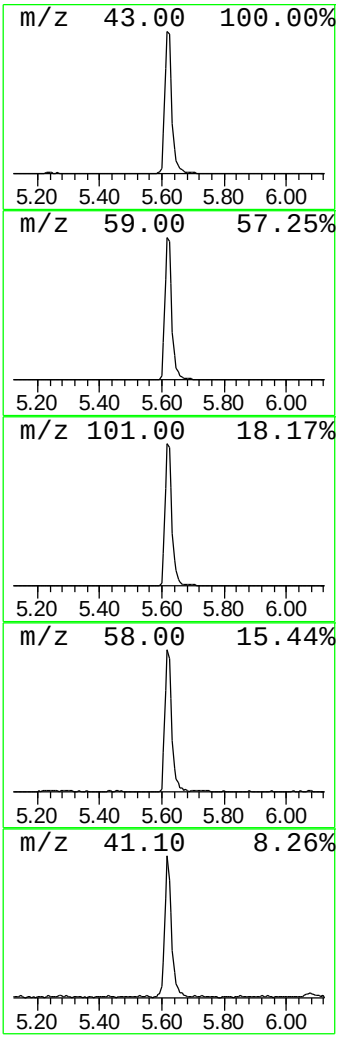
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.62	14.94 ng	408568	1,4-Dichlorobenzene-d4	8.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32
3	Acetone	58	C3H6O	000067-64-1	12
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	10





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120519\
Data File : BP001223.D
Acq On : 05 Dec 2019 20:57
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Sample : K6145-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TH-3

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

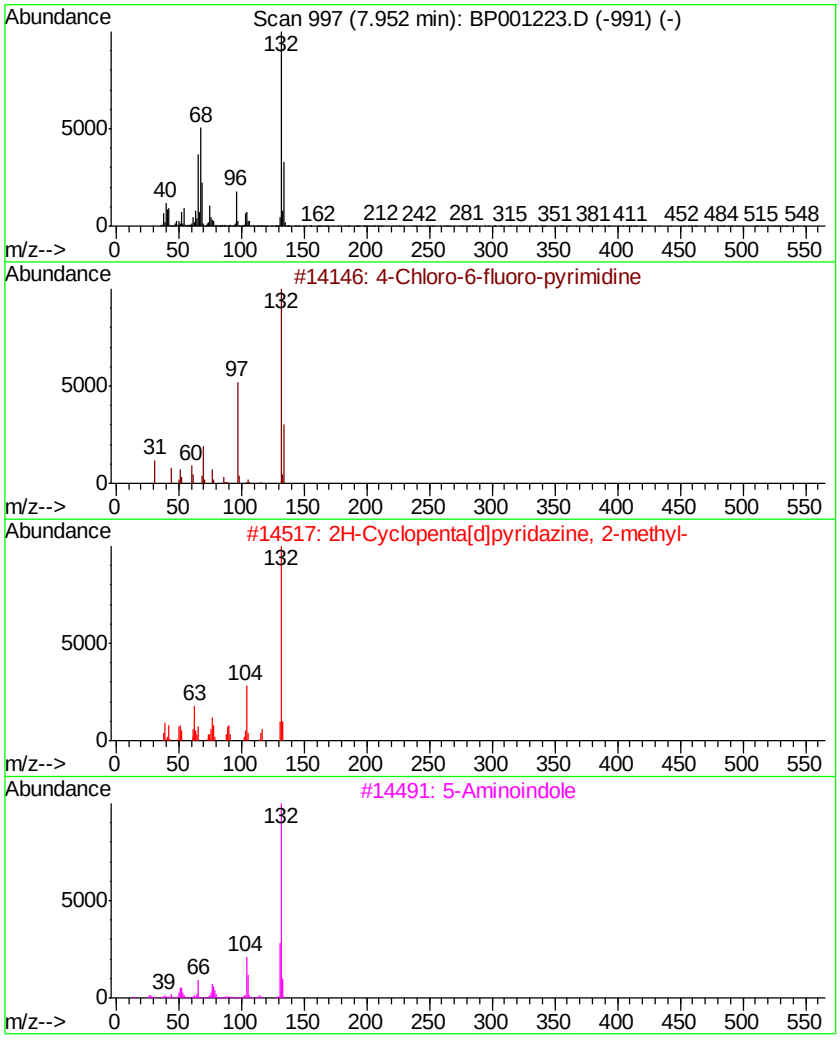
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

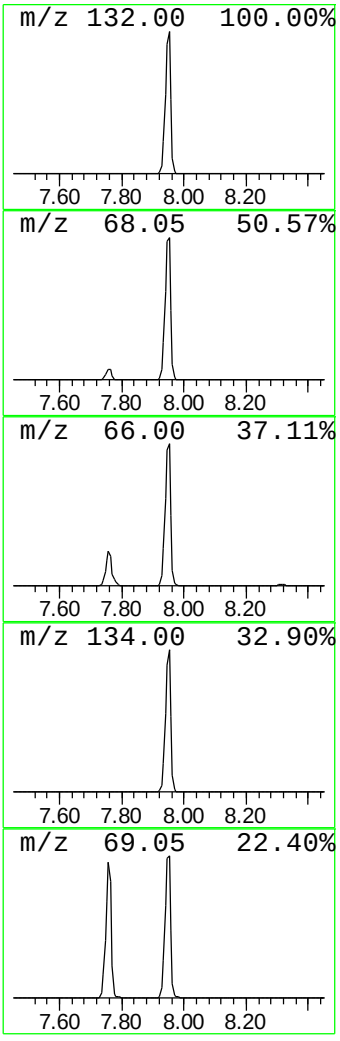
****

Peak Number 2 unknown7.95 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.95	76.81 ng	2099960	1,4-Dichlorobenzene-d4	8.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	22
3	5-Aminoindole	132	C8H8N2	005192-03-0	22
4	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
5	Cyclopropanamine, 1-phenyl-	133	C9H11N	1000351-26-2	14





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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TH-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
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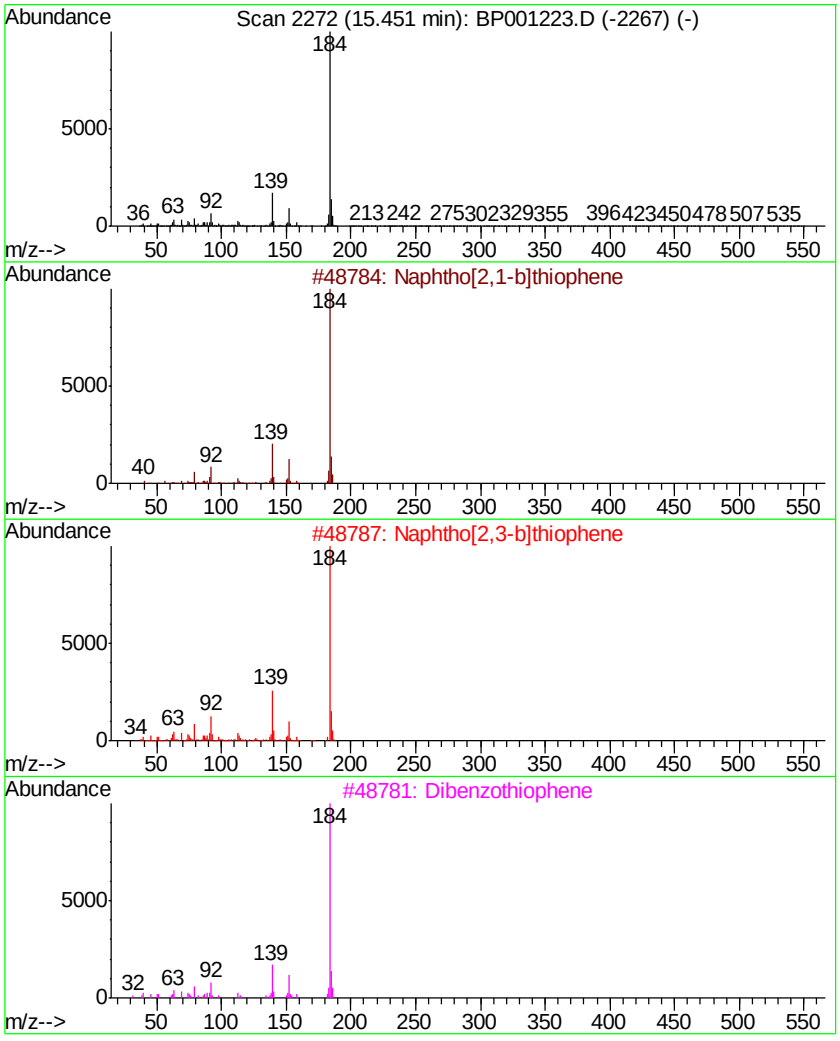
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

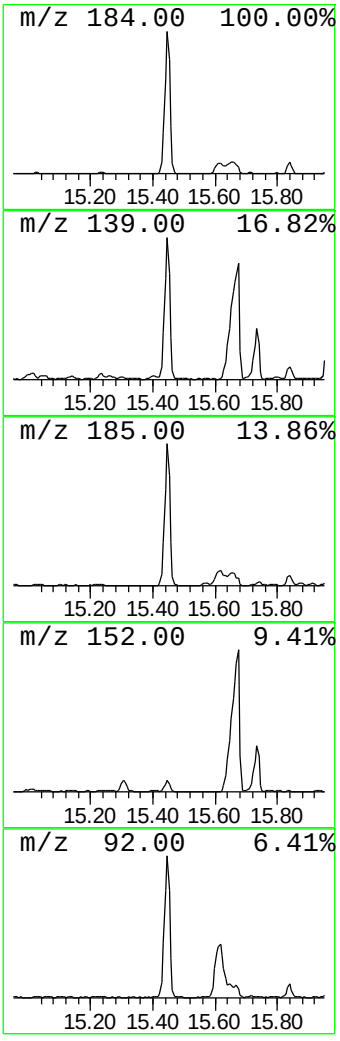
****

Peak Number 4 Naphtho[2,1-b]thiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.45	27.07 ng	907263	Phenanthrene-d10	15.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	97
3	Dibenzothiophene	184	C12H8S	000132-65-0	97
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	96
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120519\
Data File : BP001223.D
Acq On : 05 Dec 2019 20:57
Operator : JU
Sample : K6145-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TH-3

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

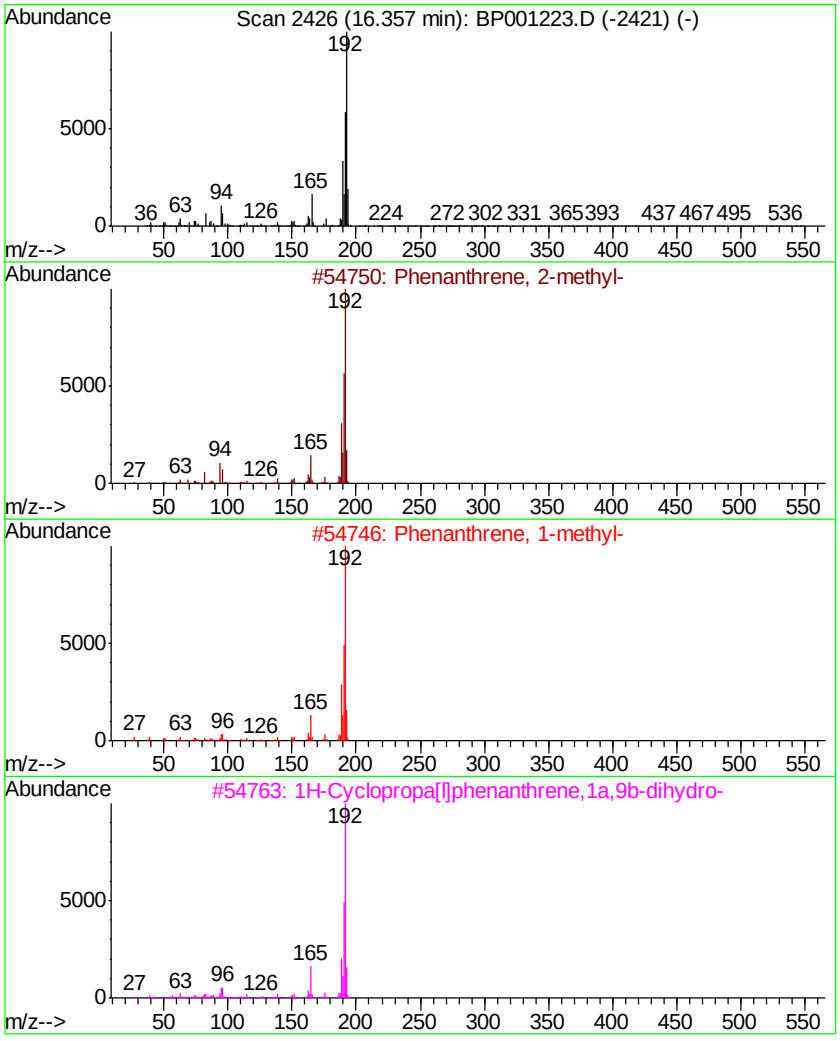
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

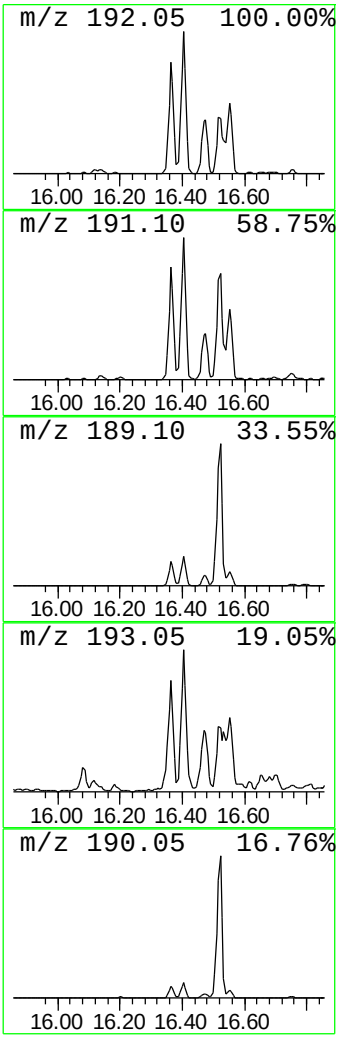
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.36	33.15 ng	1111280	Phenanthrene-d10	15.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





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Data File : BP001223.D
Acq On : 05 Dec 2019 20:57
Operator : JU
Sample : K6145-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TH-3

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

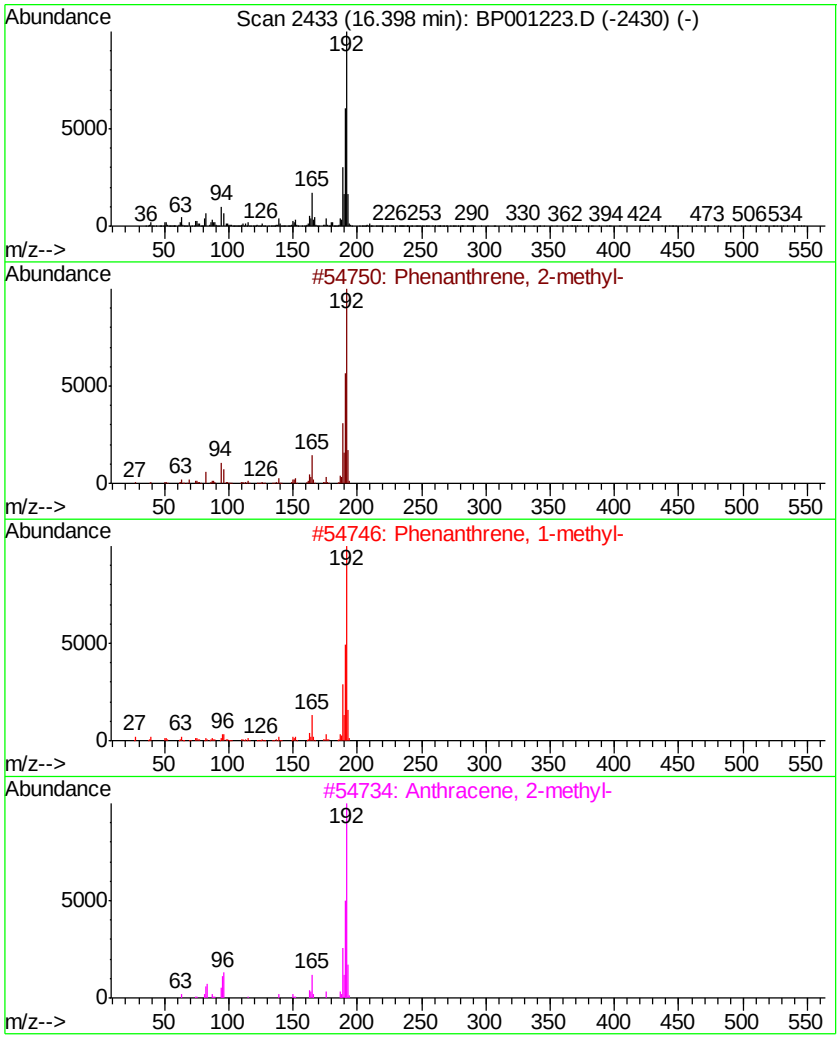
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

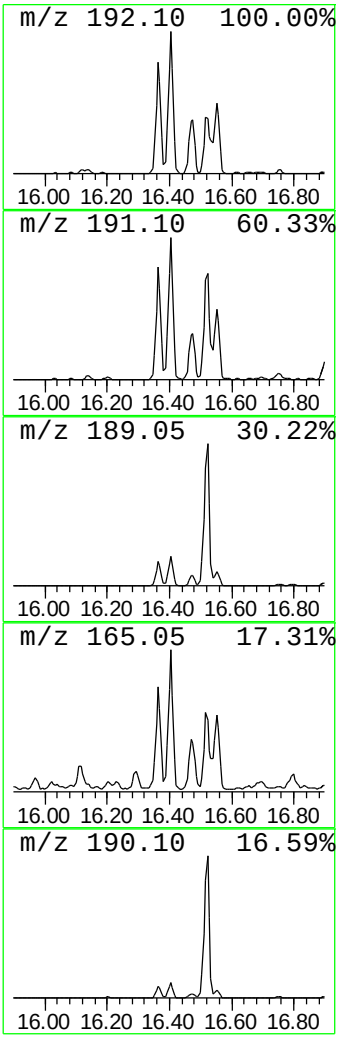
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.40	45.09 ng	1511600	Phenanthrene-d10	15.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





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Operator : JU
Sample : K6145-03
Misc :
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ClientSampleId : TH-3

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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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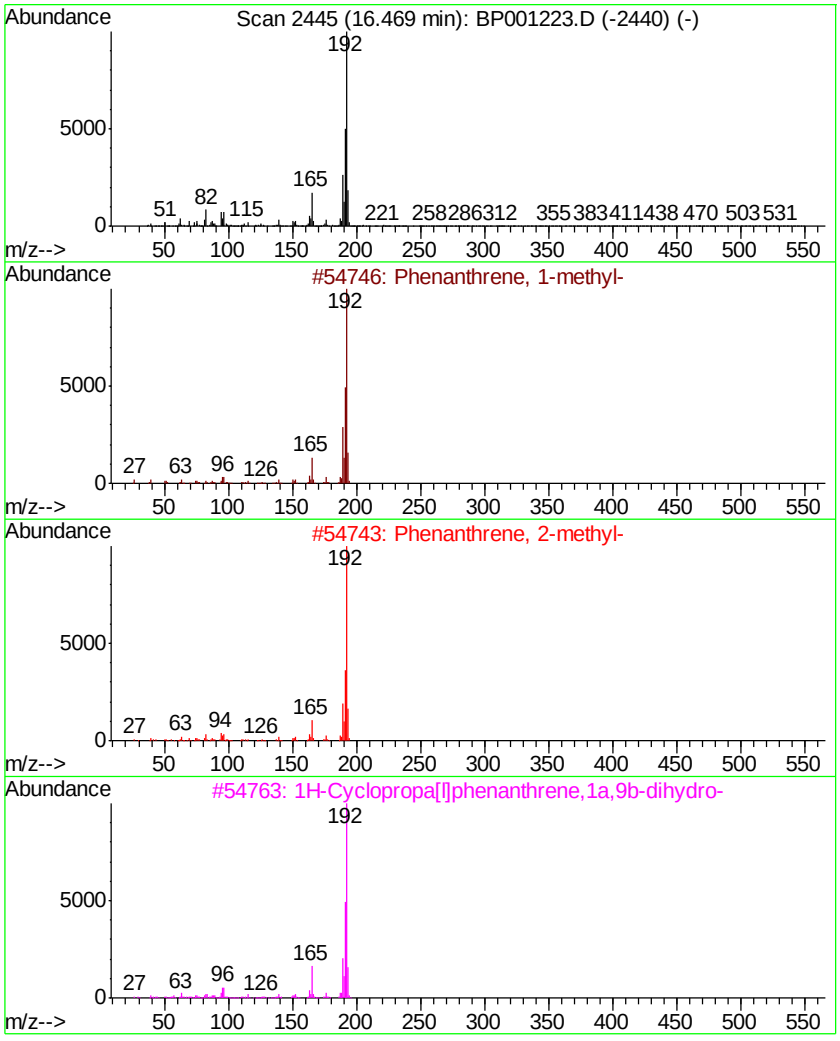
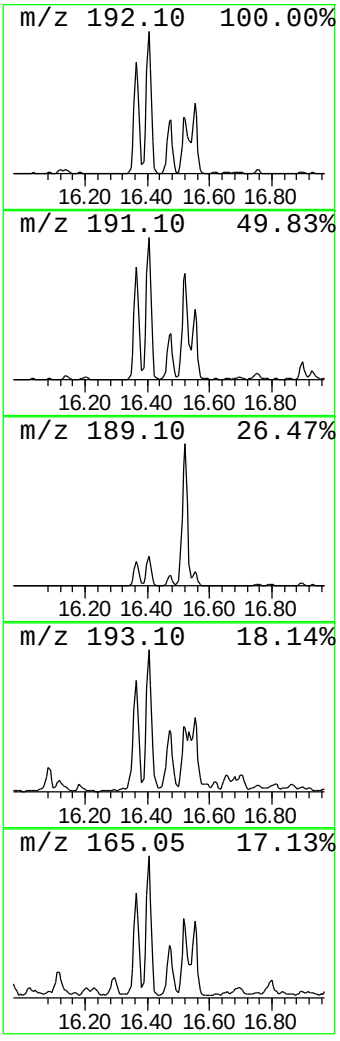
Peak Number 7 1H-Cyclopropa[l]phenanthren... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.47	17.93 ng	600915	Phenanthrene-d10	15.61

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	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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ClientSampleId : TH-3

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

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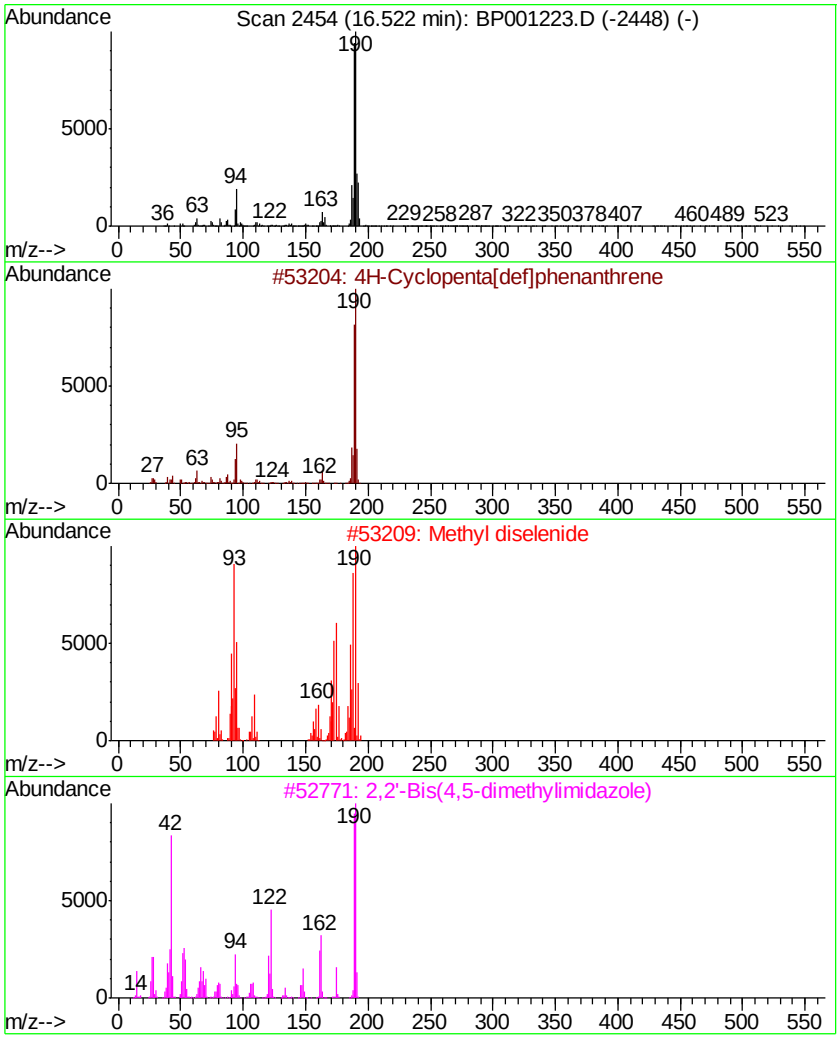
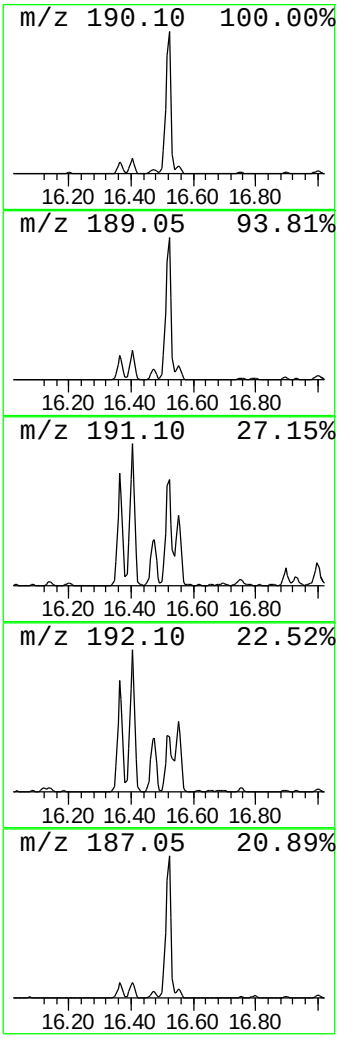
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.52	85.53 ng	2867130	Phenanthrene-d10	15.61

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	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25
5	2-Naphthaldehyde, 1,2,3,4-tetrah...	190	C12H14O2	002472-02-8	18





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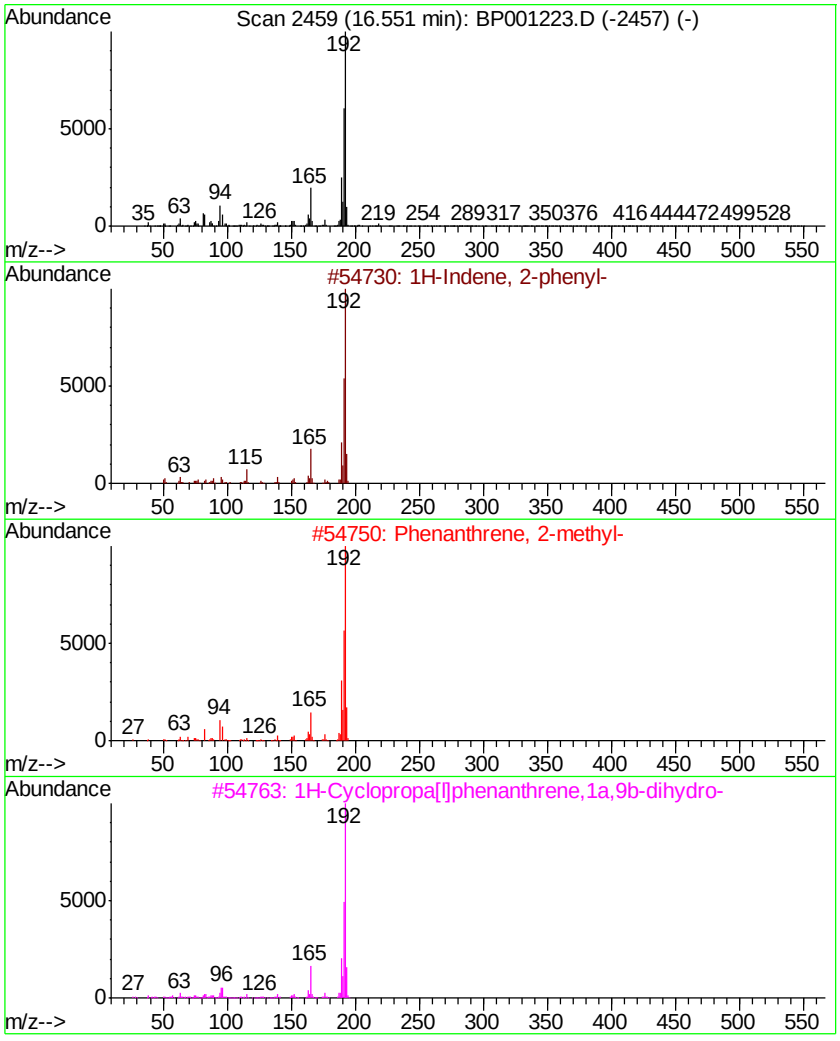
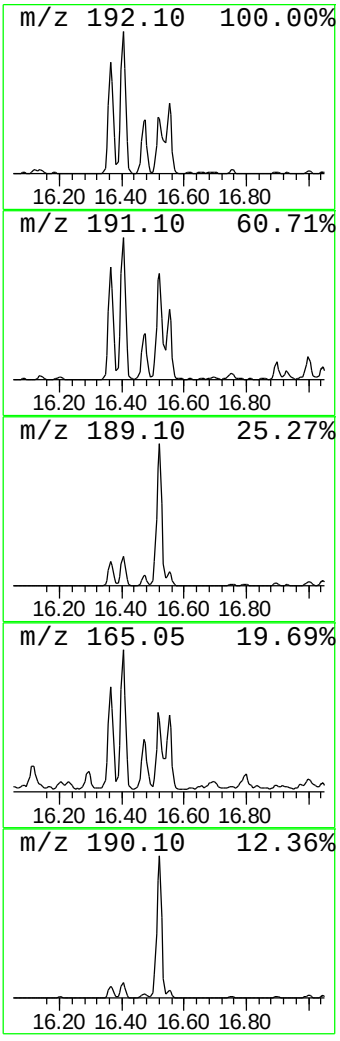
Peak Number 9 1H-Indene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.55	19.73 ng	661430	Phenanthrene-d10	15.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	86





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ClientSampleId : TH-3

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TIC Library : C:\DATABASE\NIST11.L
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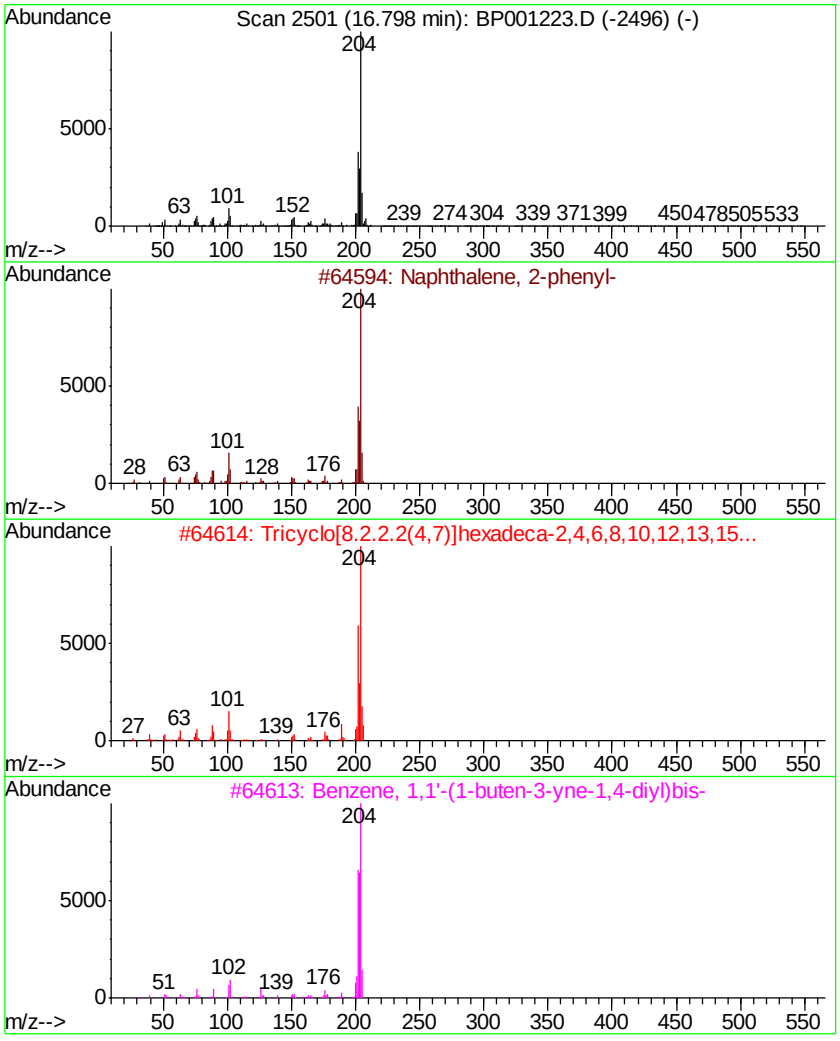
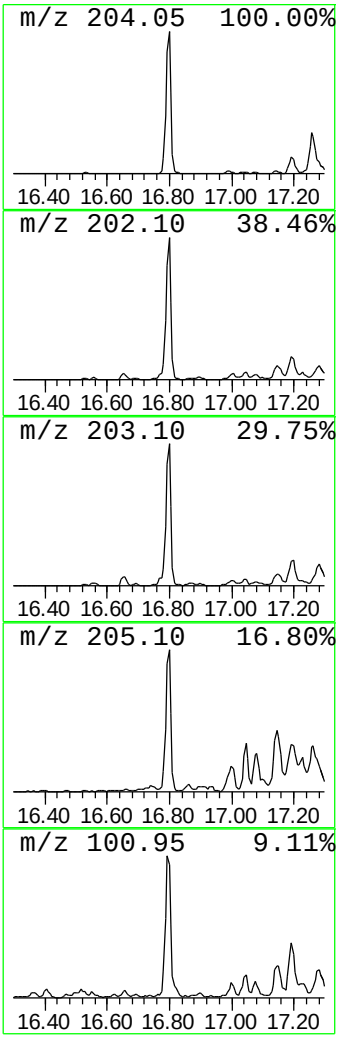
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.80	31.75 ng	1064250	Phenanthrene-d10	15.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
3	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	55
4	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	55
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	53





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

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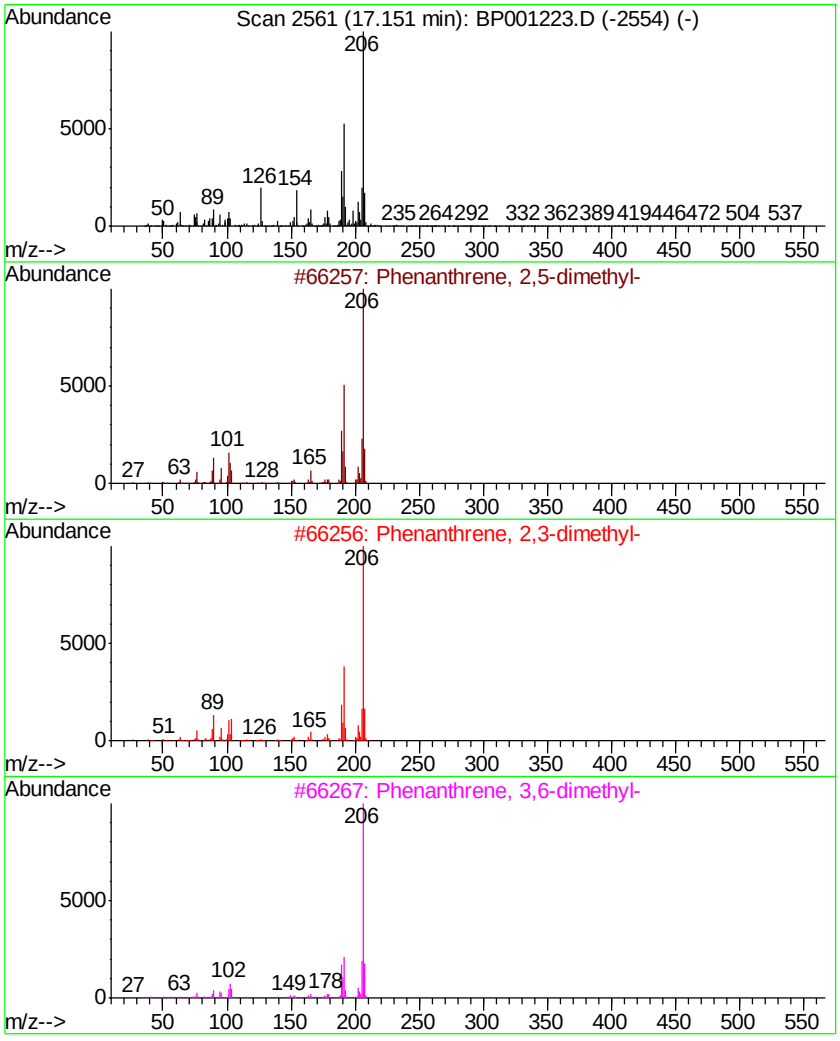
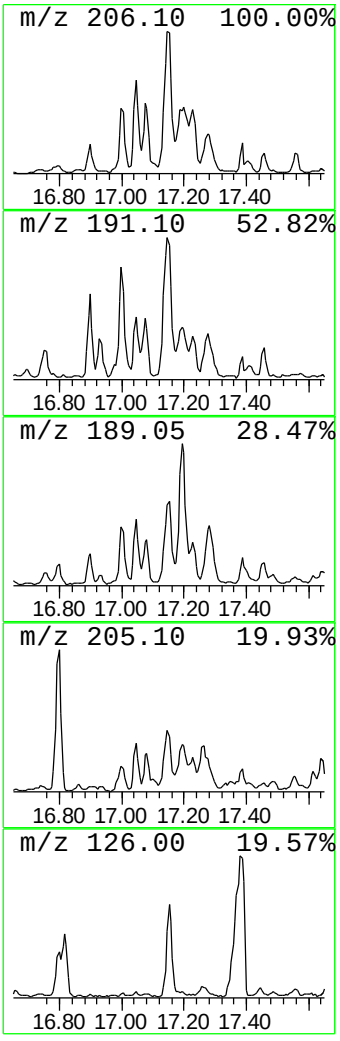
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.15	18.93 ng	634693	Phenanthrene-d10	15.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	91





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

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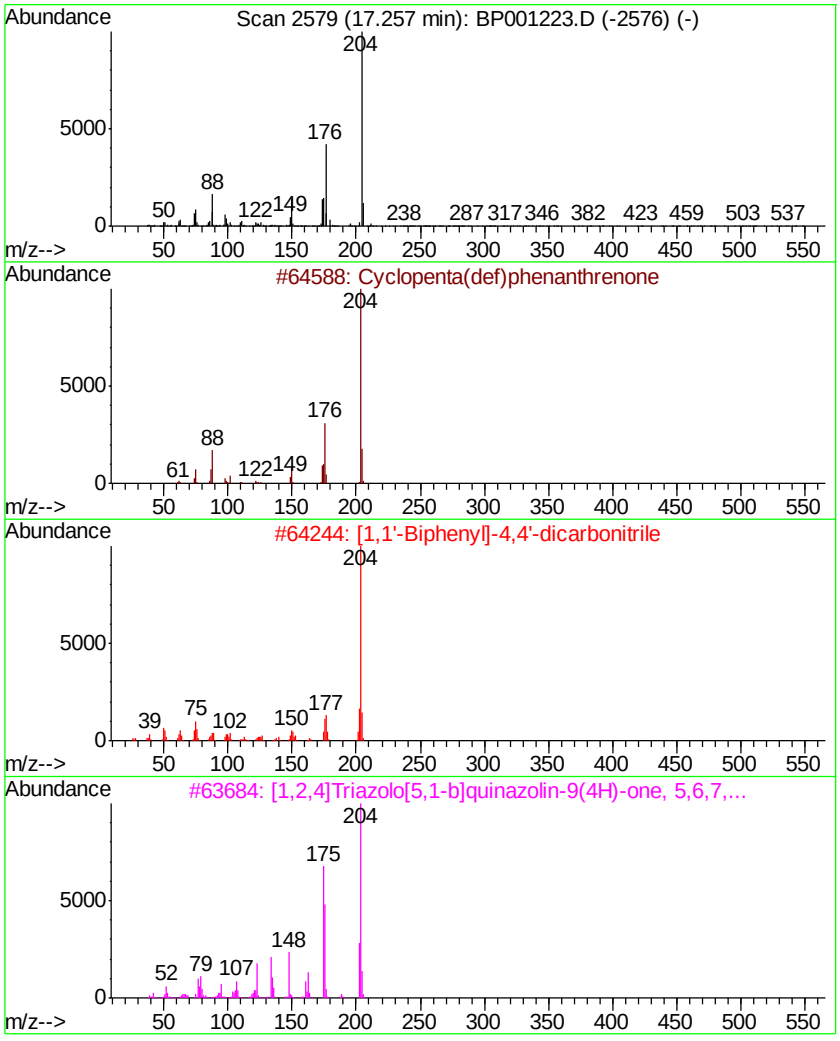
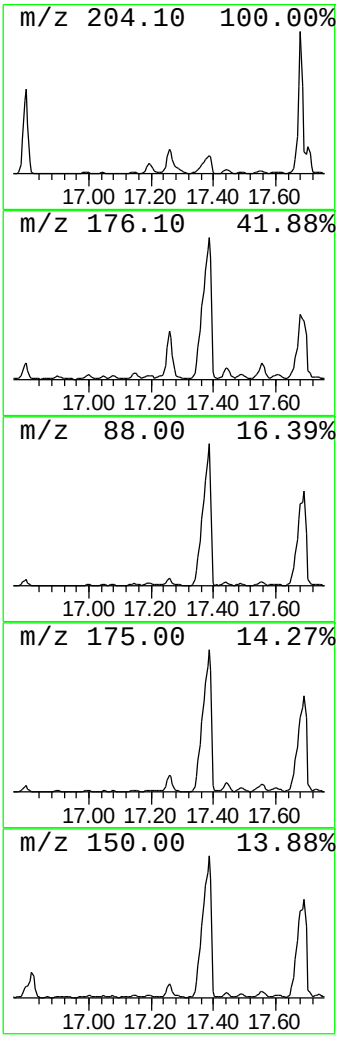
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.26	18.09 ng	606307	Phenanthrene-d10	15.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	40
3	[1,2,4]Triazolo[5,1-b]quinazolin...	204	C10H12N4O	1000337-56-5	36
4	[1,1'-Biphenyl-3-ol], 6-chloro-	204	C12H9ClO	021345-13-1	32
5	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	32





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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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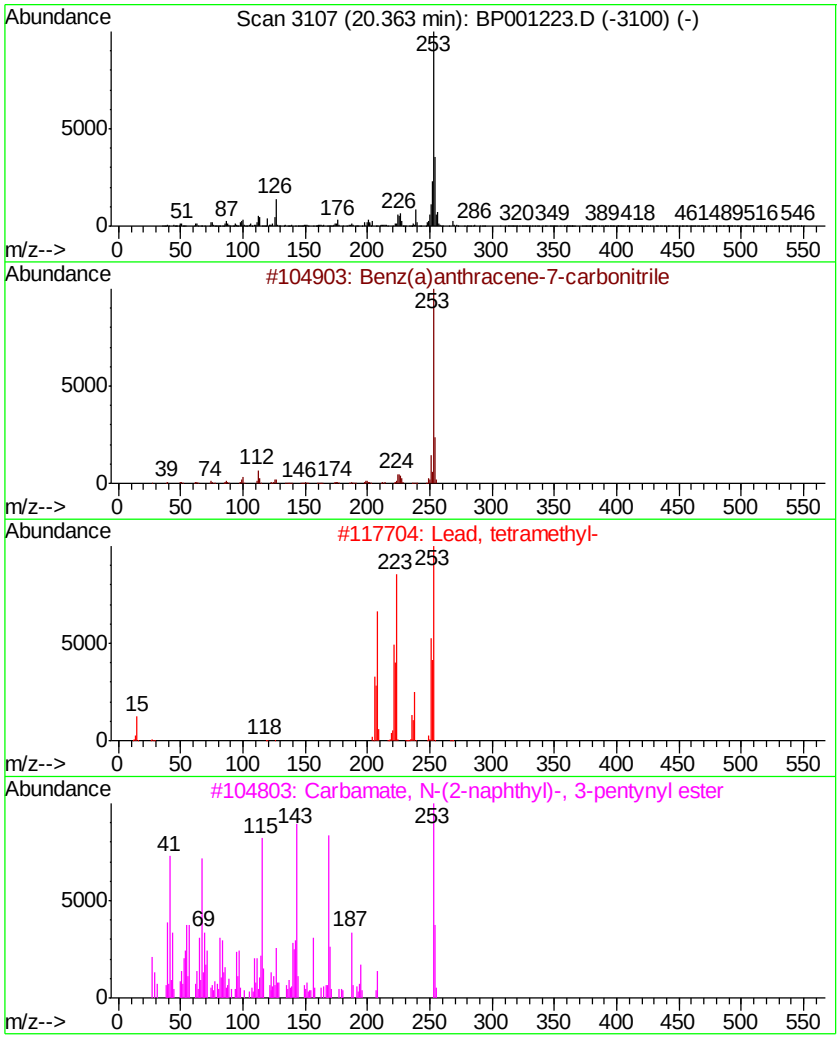
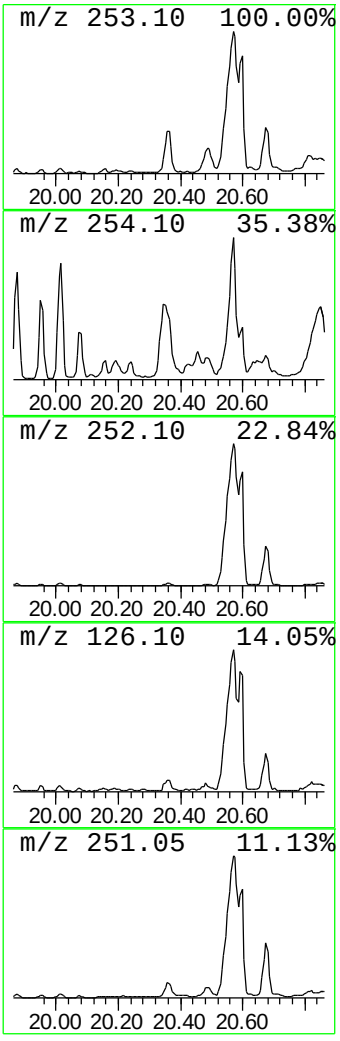
Peak Number 13 Benz(a)anthracene-7-carboni... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.36	13.36 ng	573731	Perylene-d12	21.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	70
2	Lead, tetramethyl-	268	C4H12Pb	000075-74-1	50
3	Carbamate, N-(2-naphthyl)-, 3-pe...	253	C16H15NO2	1000197-96-0	49
4	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	43
5	2H-1,4-Benzothiazin-2-acetic aci...	253	C11H11NO2S2	002832-88-4	43





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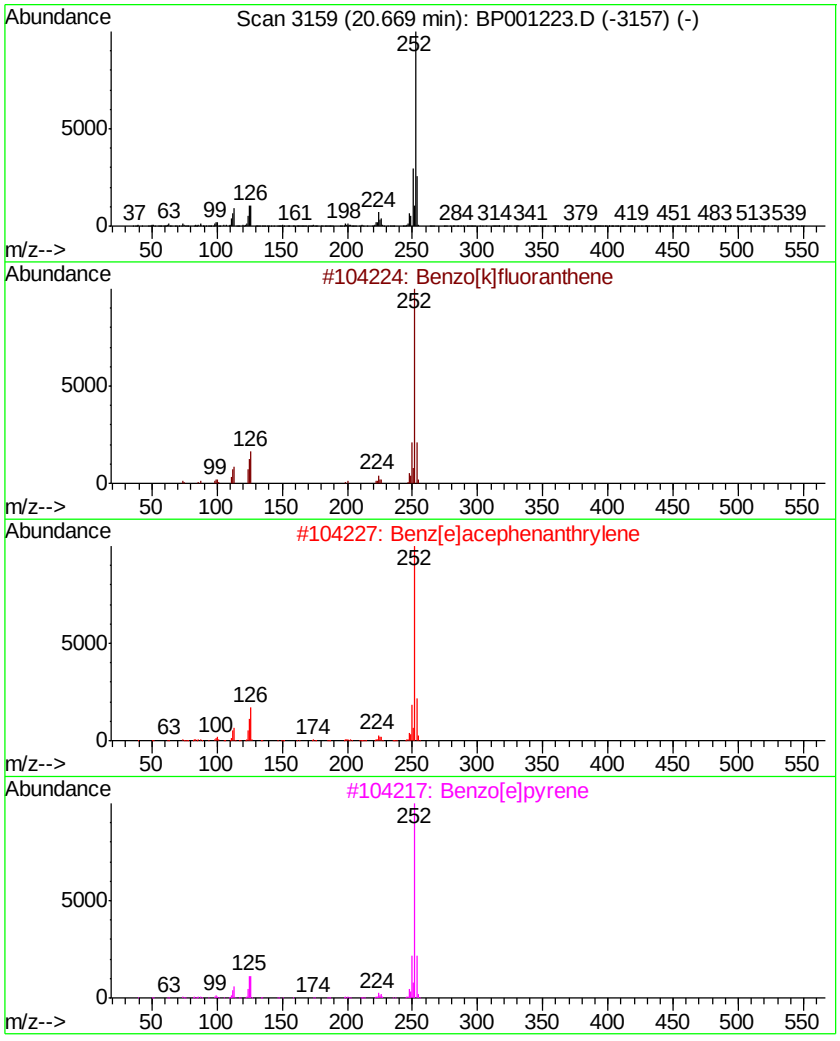
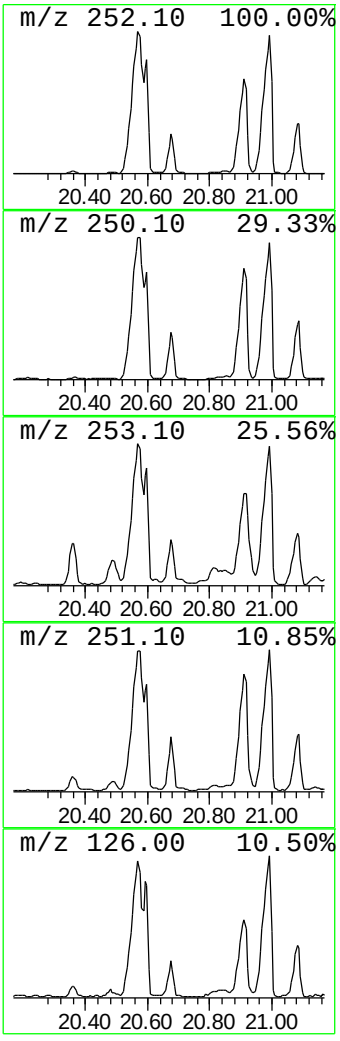
Peak Number 14 Benzo[e]pyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.67	28.58 ng	1226940	Perylene-d12	21.05

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





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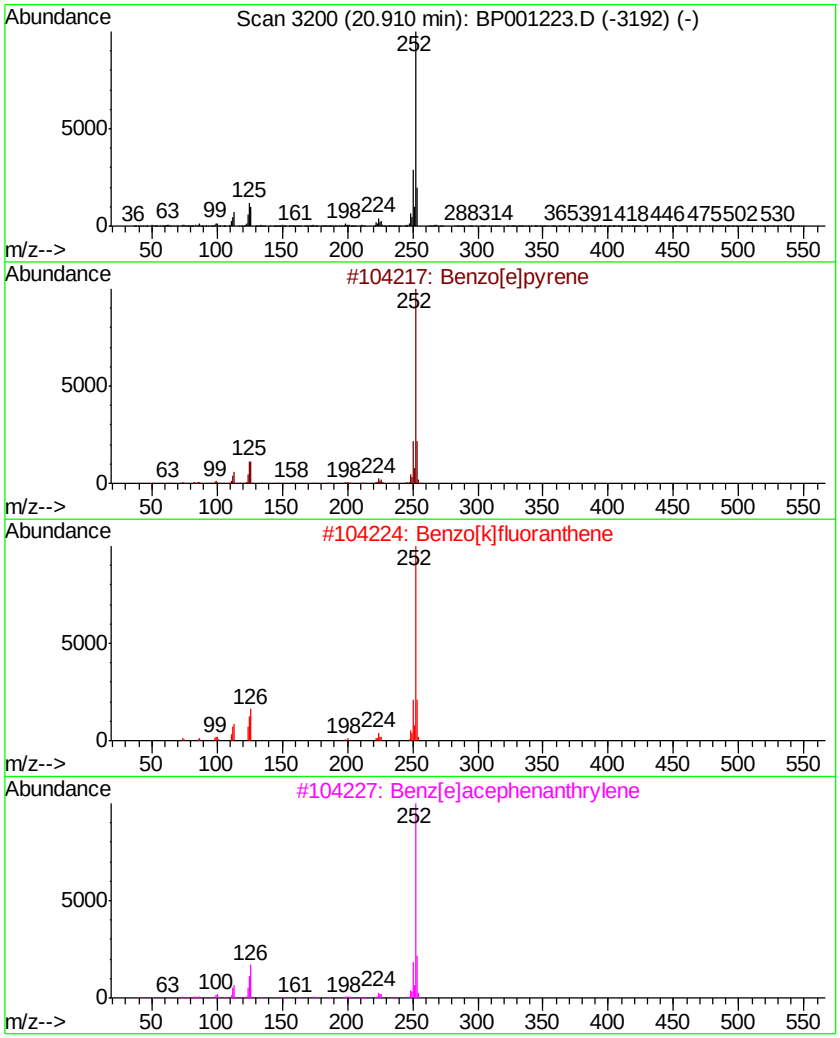
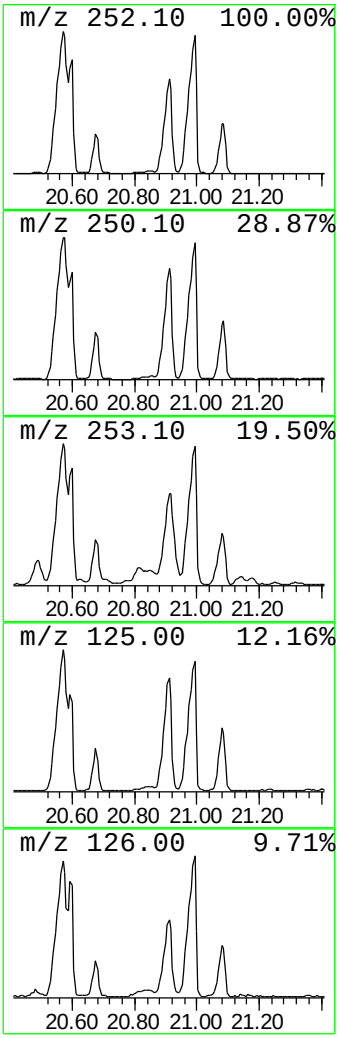
Peak Number 15 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.91	103.01 ng	4422390	Perylene-d12	21.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Perylene	252	C20H12	000198-55-0	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	91





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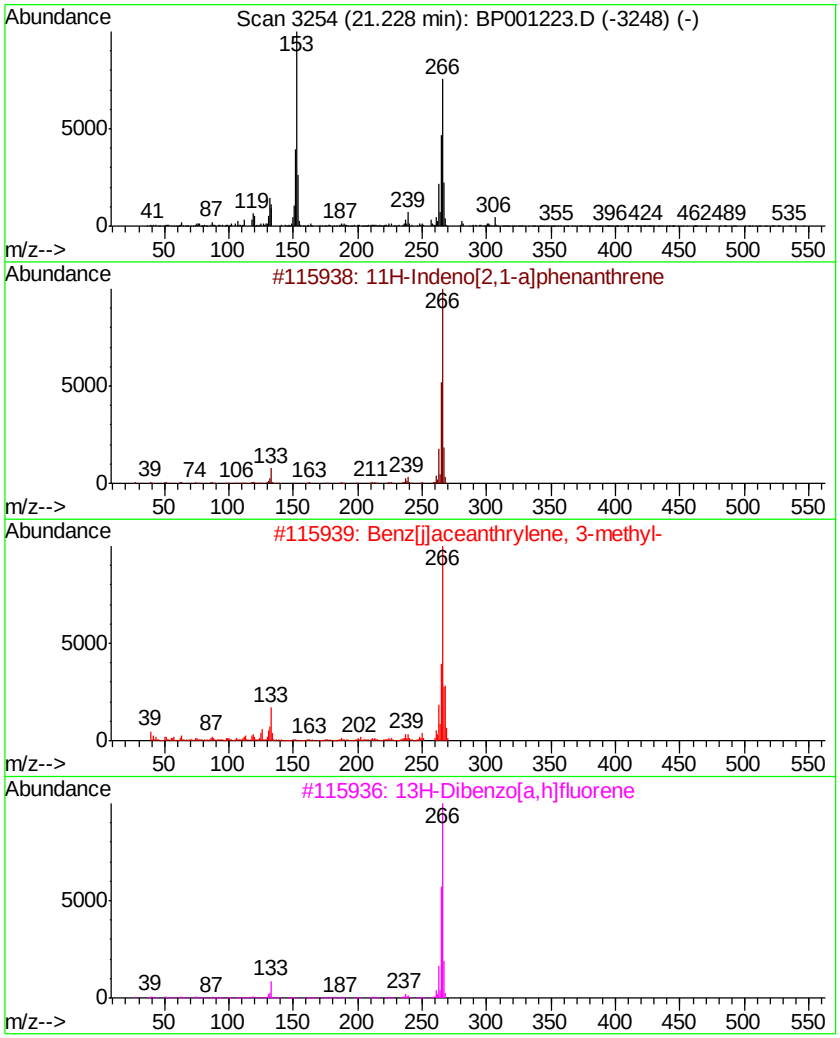
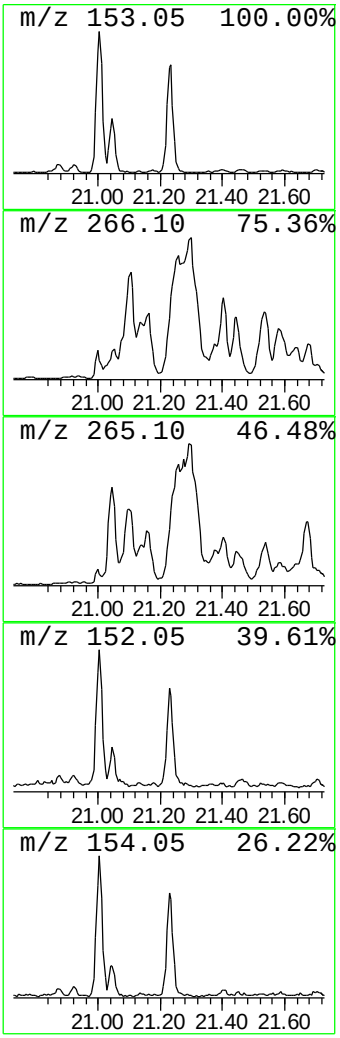
Peak Number 16 11H-Indeno[2,1-a]phenanthrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.23	15.63 ng	670977	Perylene-d12	21.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	83
2	Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	55
3	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	46
4	(1H)Phenanthro[9,10-d]pyrazole, ...	294	C21H14N2	037944-54-0	43
5	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	41





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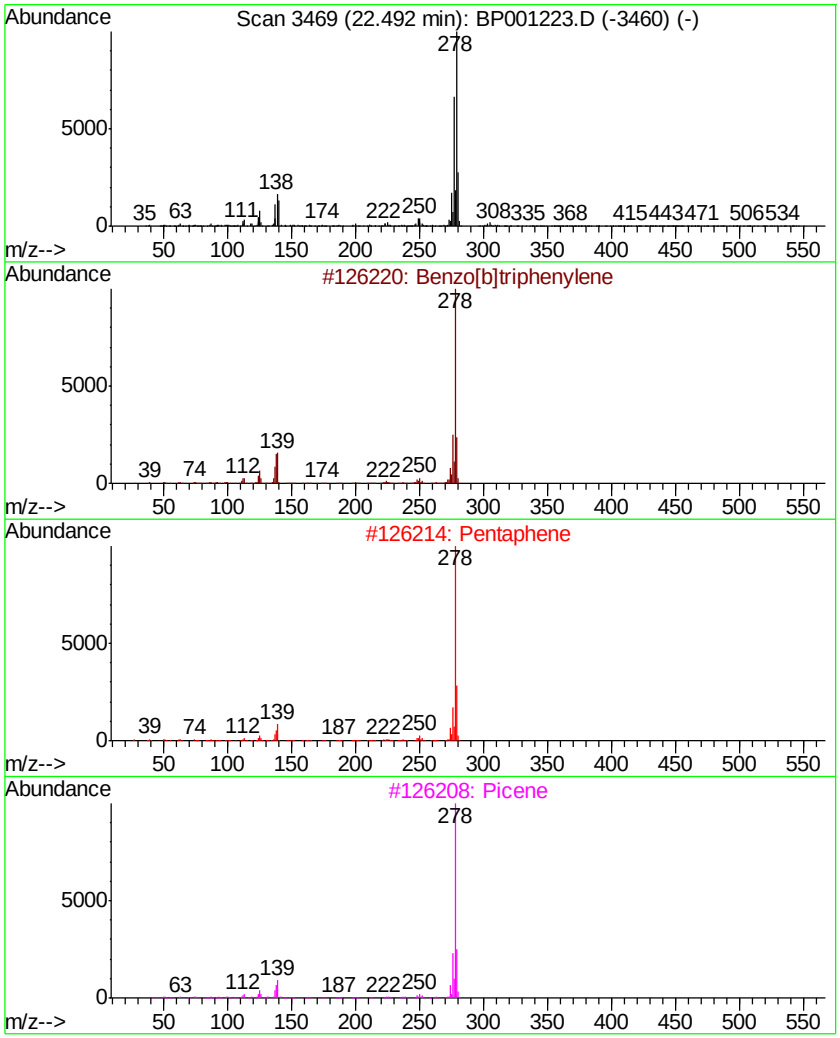
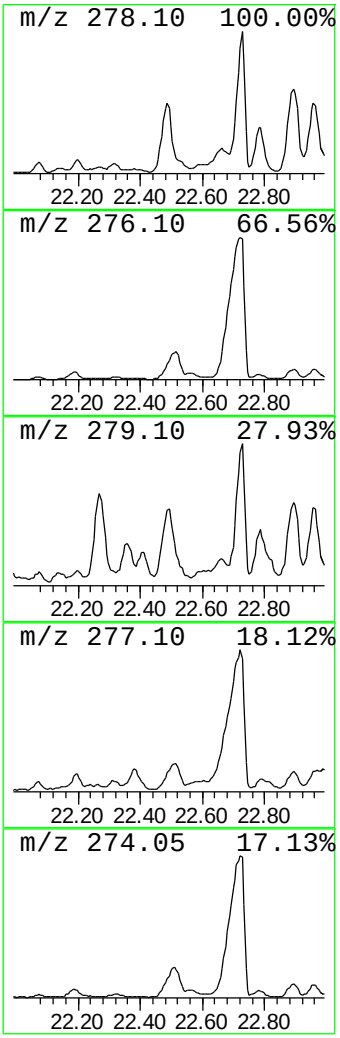
Peak Number 17 Pentaphene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.49	33.15 ng	1423200	Perylene-d12	21.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	93
2	Pentaphene	278	C22H14	000222-93-5	70
3	Picene	278	C22H14	000213-46-7	64
4	Pyrene, 1-phenyl-	278	C22H14	005101-27-9	64
5	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	58





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Instrument : BNA_P
ClientSampleId : TH-3

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

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

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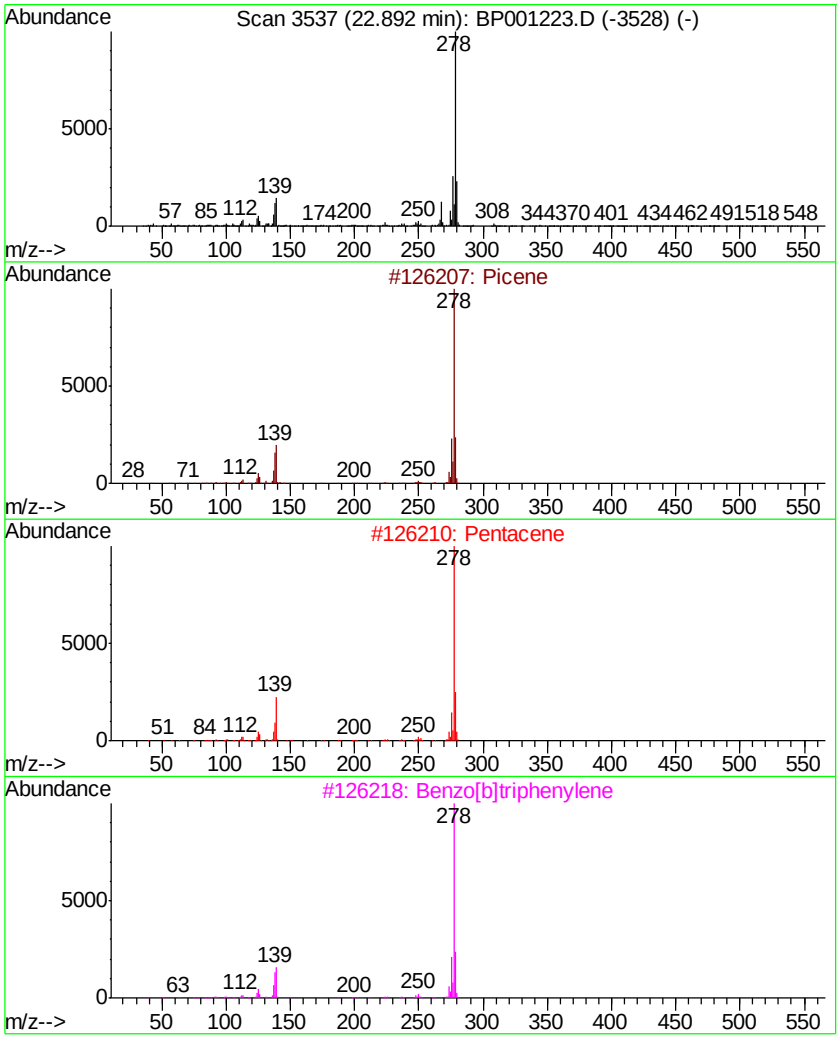
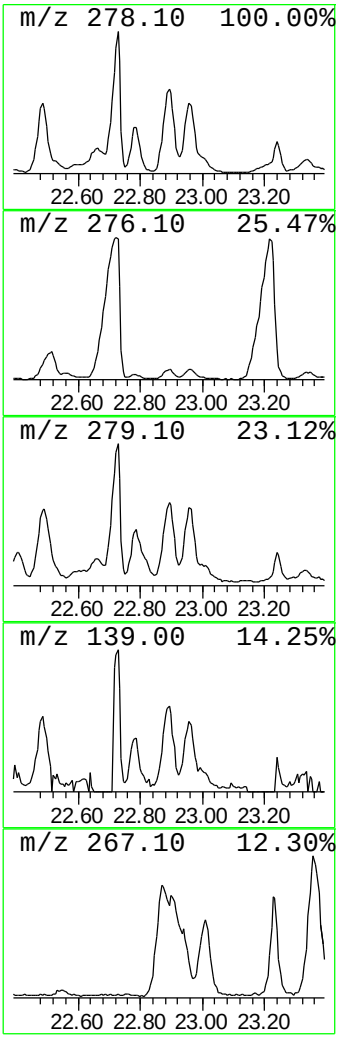
Peak Number 18 Picene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.89	26.58 ng	1141330	Perylene-d12	21.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	97
2	Pentacene	278	C22H14	000135-48-8	96
3	Benzo[b]triphenylene	278	C22H14	000215-58-7	94
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	94
5	Benzo[a]naphthacene	278	C22H14	000226-88-0	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120519\
Data File : BP001223.D
Acq On : 05 Dec 2019 20:57
Operator : JU
Sample : K6145-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TH-3

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

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

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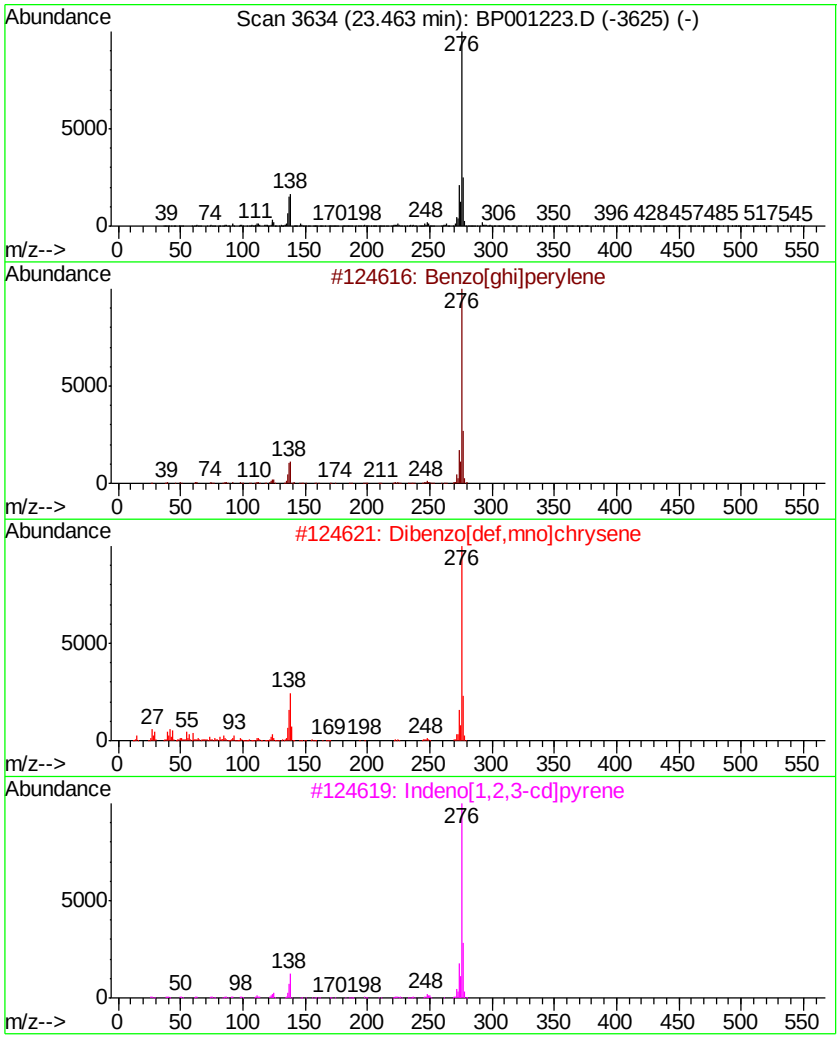
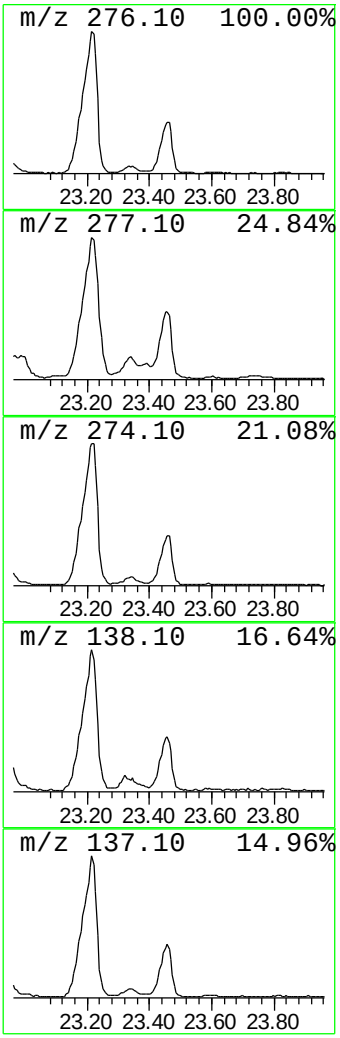
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.46	41.02 ng	1761160	Perylene-d12	21.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene	276	C22H12	000191-24-2	98
2	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	93
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	93
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	81
5	Phenol, 2-(4-chlorophenyliminome...	276	C13H9ClN2O3	1000262-90-3	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP120519\
Data File : BP001223.D
Acq On : 05 Dec 2019 20:57
Operator : JU
Sample : K6145-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TH-3

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.62	14.9	ng	408568	1	8.31	546819	20.0
unknown7.95	7.95	76.8	ng	2099960	1	8.31	546819	20.0
Naphtho[2,1-b]thi...	15.45	27.1	ng	907263	4	15.61	670419	20.0
Phenanthrene, 2-m...	16.36	33.1	ng	1111280	4	15.61	670419	20.0
Phenanthrene, 1-m...	16.40	45.1	ng	1511600	4	15.61	670419	20.0
1H-Cyclopropa[l]p...	16.47	17.9	ng	600915	4	15.61	670419	20.0
4H-Cyclopenta[def...	16.52	85.5	ng	2867130	4	15.61	670419	20.0
1H-Indene, 2-phenyl-	16.55	19.7	ng	661430	4	15.61	670419	20.0
Naphthalene, 2-ph...	16.80	31.8	ng	1064250	4	15.61	670419	20.0
Phenanthrene, 2,5...	17.15	18.9	ng	634693	4	15.61	670419	20.0
Cyclopenta(def)ph...	17.26	18.1	ng	606307	4	15.61	670419	20.0
Benz(a)anthracene...	20.36	13.4	ng	573731	6	21.05	858657	20.0
Benzo[e]pyrene	20.67	28.6	ng	1226940	6	21.05	858657	20.0
Perylene	20.91	103.0	ng	4422390	6	21.05	858657	20.0
11H-Indeno[2,1-a]...	21.23	15.6	ng	670977	6	21.05	858657	20.0
Pentaphene	22.49	33.1	ng	1423200	6	21.05	858657	20.0
Picene	22.89	26.6	ng	1141330	6	21.05	858657	20.0
Dibenzo[def,mno]c...	23.46	41.0	ng	1761160	6	21.05	858657	20.0