LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
Data File : BM042520.D
Acq On : 31 Oct 2023 20:46
Operator : MA/JU
Sample : 04938-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A-6(0-2)

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_M\Methods\8270-BM103023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM042520.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.740	258	264	274	rBV3	14214	47497	1.18%	0.092%
2	5.010	306	310	319	rVB	99819	140846	3.50%	0.273%
3	5.463	380	387	402	rBV	980815	1391693	34.61%	2.698%
4	7.093	657	664	673	rBV	909408	1436703	35.73%	2.785%
5	7.922	798	805	816	rBV	311872	477776	11.88%	0.926%
6	8.457	891	896	905	rBV2	23425	43176	1.07%	0.084%
7	9.122	1002	1009	1017	rBV	572509	928254	23.09%	1.799%
8	10.739	1277	1284	1289	rBV	369376	610147	15.18%	1.183%
9	10.792	1289	1293	1302	rVB	111069	179807	4.47%	0.349%
10	12.398	1558	1566	1575	rBV	63213	112434	2.80%	0.218%
11	12.616	1592	1603	1610	rVB	52622	97611	2.43%	0.189%
12	13.192	1690	1701	1708	rBV	1159924	1621300	40.33%	3.143%
13	13.410	1731	1738	1745	rVB2	35509	58765	1.46%	0.114%
14	13.745	1786	1795	1801	rBV4	28715	71347	1.77%	0.138%
15	13.886	1813	1819	1824	rBV	53273	89816	2.23%	0.174%
16	13.939	1824	1828	1837	rVB2	37023	67365	1.68%	0.131%
17	14.027	1837	1843	1854	rVB	36850	69267	1.72%	0.134%
18	14.122	1854	1859	1863	rBV	34027	52494	1.31%	0.102%
19	14.304	1882	1890	1897	rBV	255396	413416	10.28%	0.801%
20	14.569	1926	1935	1942	rVB	506062	758504	18.87%	1.470%
21	14.639	1942	1947	1952	rVB2	31024	52169	1.30%	0.101%
22	14.774	1963	1970	1978	rVB4	23246	46813	1.16%	0.091%
23	14.951	1993	2000	2008	rVB3	35298	93577	2.33%	0.181%
24	15.027	2008	2013	2018	rVB	41412	58656	1.46%	0.114%
25	15.168	2031	2037	2042	rBV3	41944	83078	2.07%	0.161%
26	15.221	2042	2046	2051	rVB2	27323	42840	1.07%	0.083%
27	15.345	2057	2067	2070	rBV7	20225	49864	1.24%	0.097%
28	15.439	2079	2083	2088	rBV	44520	63901	1.59%	0.124%
29	15.510	2088	2095	2101	rBV7	13804	41741	1.04%	0.081%
30	15.563	2101	2104	2108	rVV	33075	45173	1.12%	0.088%
31	15.621	2108	2114	2125	rVB	139471	270244	6.72%	0.524%
32	15.739	2125	2134	2144	rBV	20752	77821	1.94%	0.151%
33	15.904	2158	2162	2167	rVB3	25231	41379	1.03%	0.080%
34	16.063	2181	2189	2199	rBV	1074605	1569797	39.04%	3.043%
35	16.615	2275	2283	2287	rBV3	73550	163270	4.06%	0.316%
36	16.663	2287	2291	2297	rVV2	48524	82393	2.05%	0.160%

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A-6(0-2)

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 >
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Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	16.762	2304	2308	2312	rVB	40034	54888	1.37%	0.106%
38	16.986	2340	2346	2351	rBV2	55285	102982	2.56%	0.200%
39	17.057	2353	2358	2367	rVB4	40305	70185	1.75%	0.136%
40	17.145	2367	2373	2377	rBV	372892	547343	13.61%	1.061%
41	17.245	2385	2390	2396	rBV4	27806	49190	1.22%	0.095%
42	17.321	2398	2403	2407	rVV	593279	874909	21.76%	1.696%
43	17.368	2407	2411	2420	rVB	2233840	2848112	70.84%	5.521%
44	17.457	2420	2426	2437	rBV	431050	668620	16.63%	1.296%
45	17.610	2448	2452	2463	rVB2	37854	88458	2.20%	0.171%
46	17.745	2470	2475	2479	rVB	54662	75947	1.89%	0.147%
47	17.833	2486	2490	2496	rBV	92634	126693	3.15%	0.246%
48	17.898	2496	2501	2507	rBV2	268553	399034	9.92%	0.773%
49	18.045	2521	2526	2534	rVB2	189987	406307	10.11%	0.788%
50	18.121	2534	2539	2543	rBV	193556	278090	6.92%	0.539%
51	18.180	2544	2549	2556	rVV2	815924	1602196	39.85%	3.106%
52	18.245	2556	2560	2568	rVB	445656	656071	16.32%	1.272%
53	18.321	2569	2573	2578	rBV	133747	182973	4.55%	0.355%
54	18.392	2578	2585	2589	rBV2	517454	1067346	26.55%	2.069%
55	18.427	2589	2591	2596	rVB	278483	315177	7.84%	0.611%
56	18.586	2615	2618	2624	rVB	85258	111609	2.78%	0.216%
57	18.698	2630	2637	2642	rVV2	285117	524170	13.04%	1.016%
58	18.756	2642	2647	2655	rVB2	187512	344660	8.57%	0.668%
59	18.851	2658	2663	2668	rBV2	86762	163451	4.07%	0.317%
60	18.904	2669	2672	2675	rBV	76284	102532	2.55%	0.199%
61	18.980	2682	2685	2688	rVB	94489	100077	2.49%	0.194%
62	19.021	2689	2692	2697	rVB3	90328	119025	2.96%	0.231%
63	19.104	2701	2706	2710	rBV	252151	371146	9.23%	0.719%
64	19.168	2711	2717	2720	rVV2	113112	247893	6.17%	0.480%
65	19.198	2720	2722	2726	rVB2	89614	91403	2.27%	0.177%
66	19.262	2726	2733	2739	rBV5	170443	422931	10.52%	0.820%
67	19.315	2739	2742	2744	rVV3	80239	102083	2.54%	0.198%
68	19.380	2747	2753	2758	rVV	2283060	3047858	75.81%	5.908%
69	19.456	2759	2766	2773	rVV5	251608	532646	13.25%	1.032%
70	19.533	2774	2779	2783	rVV	365074	517508	12.87%	1.003%
71	19.592	2786	2789	2790	rVV	71458	90686	2.26%	0.176%
72	19.627	2791	2795	2803	rVB2	290580	532638	13.25%	1.032%
73	19.703	2804	2808	2811	rBV2	141570	239109	5.95%	0.463%
74	19.751	2811	2816	2822	rVV	2974381	4020526	100.00%	7.793%
75	19.803	2822	2825	2830	rVB2	97287	131940	3.28%	0.256%
76	19.939	2842	2848	2856	rBV	1632806	2072518	51.55%	4.017%

LSC Area Percent Report

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Acq On : 31 Oct 2023 20:46
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Sample : 04938-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A-6(0-2)

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_M\Methods\8270-BM103023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	20.068	2864	2870	2876	rVB4	195646	434542	10.81%	0.842%
78	20.198	2888	2892	2894	rBV3	191355	297025	7.39%	0.576%
79	20.233	2895	2898	2904	rVB	397711	547261	13.61%	1.061%
80	20.333	2912	2915	2919	rVB	248547	284154	7.07%	0.551%
81	20.392	2921	2925	2929	rVV2	276324	321444	8.00%	0.623%
82	20.533	2945	2949	2953	rBV	279840	353975	8.80%	0.686%
83	20.580	2953	2957	2962	rVB	280909	373129	9.28%	0.723%
84	21.150	3050	3054	3057	rBV	565889	868718	21.61%	1.684%
85	21.227	3064	3067	3071	rBV2	210086	263358	6.55%	0.510%
86	21.492	3107	3112	3118	rBV2	1492527	3242012	80.64%	6.284%
87	21.545	3118	3121	3126	rVB	1231800	1451758	36.11%	2.814%
88	21.727	3149	3152	3161	rVB4	314650	485558	12.08%	0.941%
89	23.086	3379	3383	3390	rVB	511238	797524	19.84%	1.546%
90	23.180	3392	3399	3405	rBV2	886551	2526985	62.85%	4.898%
91	23.709	3484	3489	3499	rVB	608958	1214493	30.21%	2.354%
92	23.821	3502	3508	3515	rVB	773283	1540544	38.32%	2.986%
93	23.927	3521	3526	3531	rBV	461480	837067	20.82%	1.622%

Sum of corrected areas: 51591411

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
Data File : BM042520.D
Acq On : 31 Oct 2023 20:46
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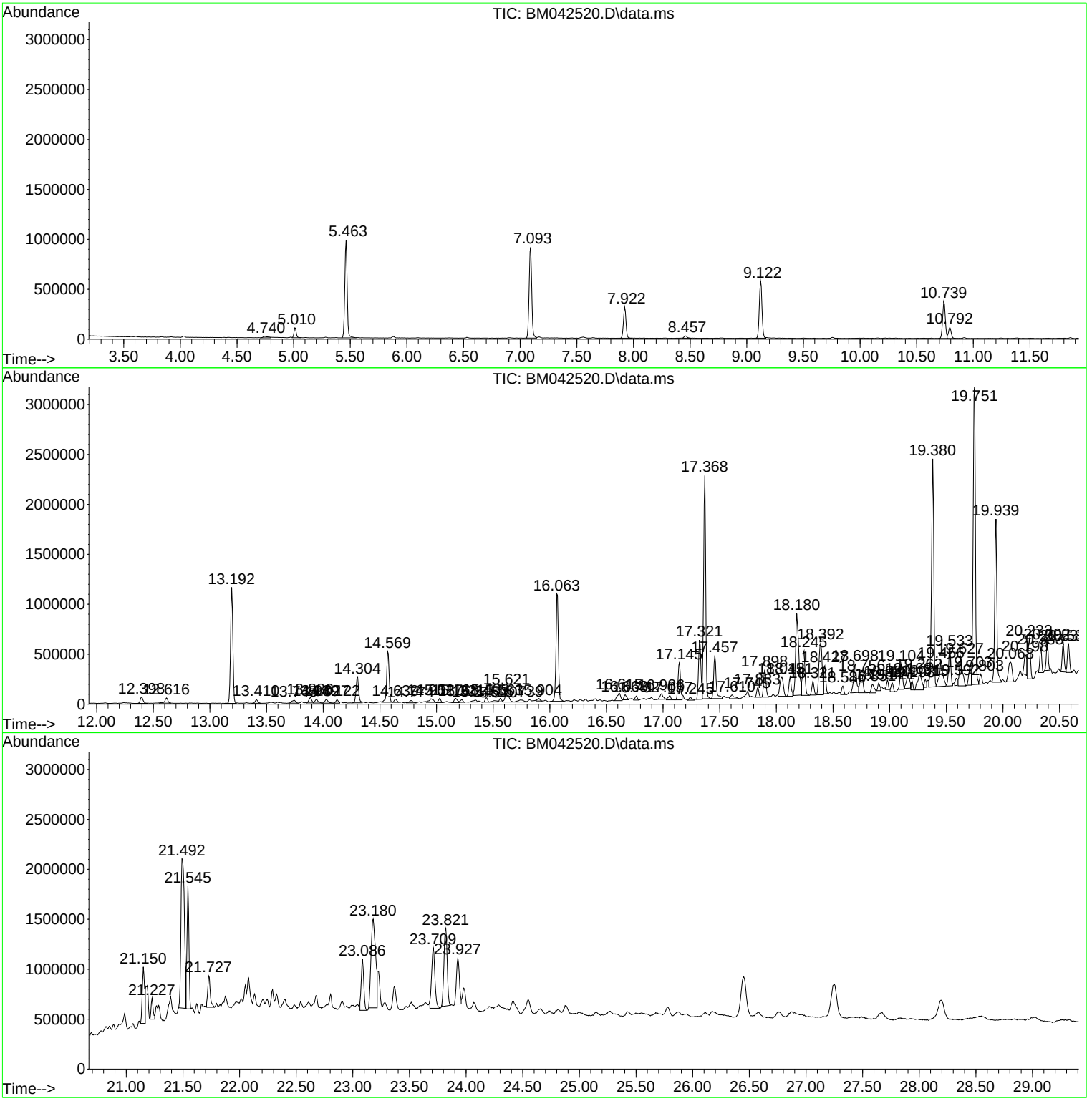
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A-6(0-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
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Instrument :
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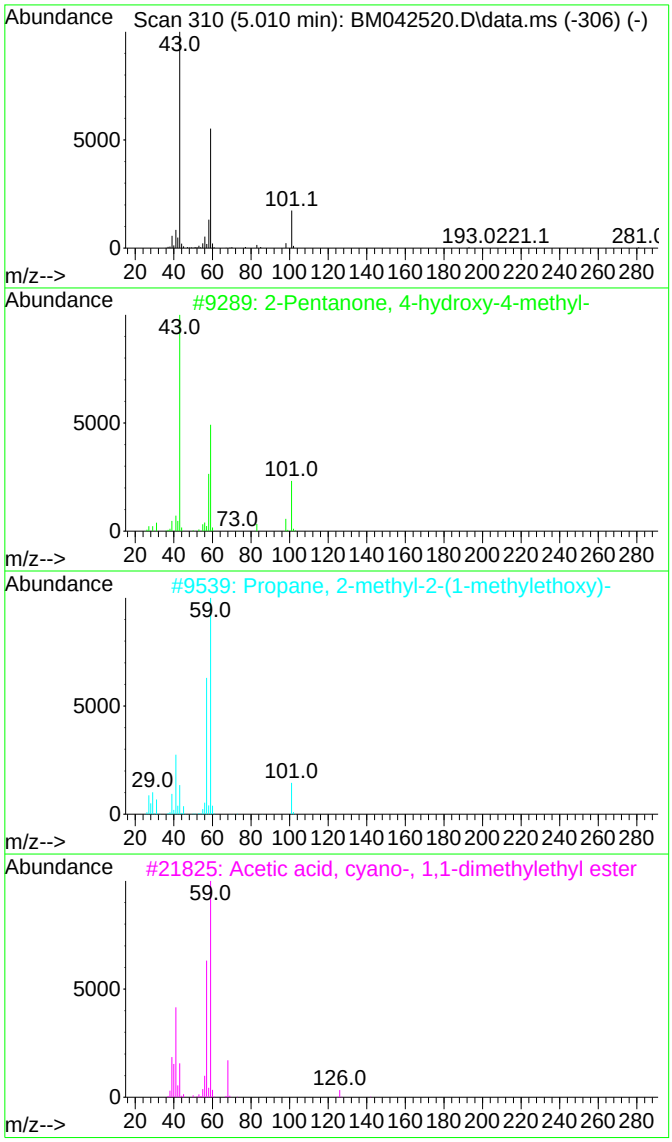
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

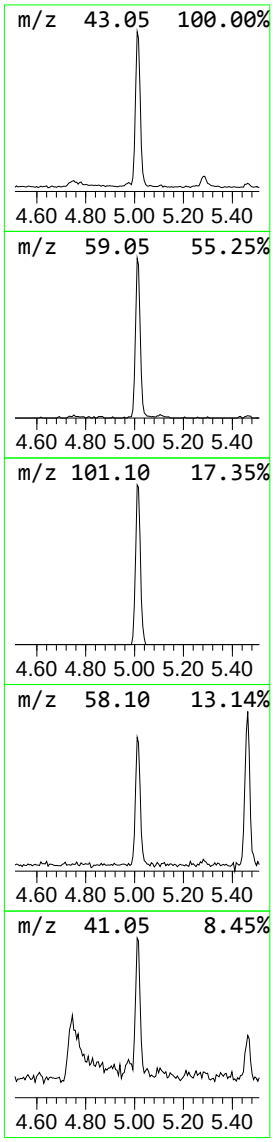
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.010	5.90 ng	140846	1,4-Dichlorobenzene-d4	7.922

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	Silane, dimethyl-	60	C2H8Si	001111-74-6	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
Data File : BM042520.D
Acq On : 31 Oct 2023 20:46
Operator : MA/JU
Sample : 04938-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A-6(0-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

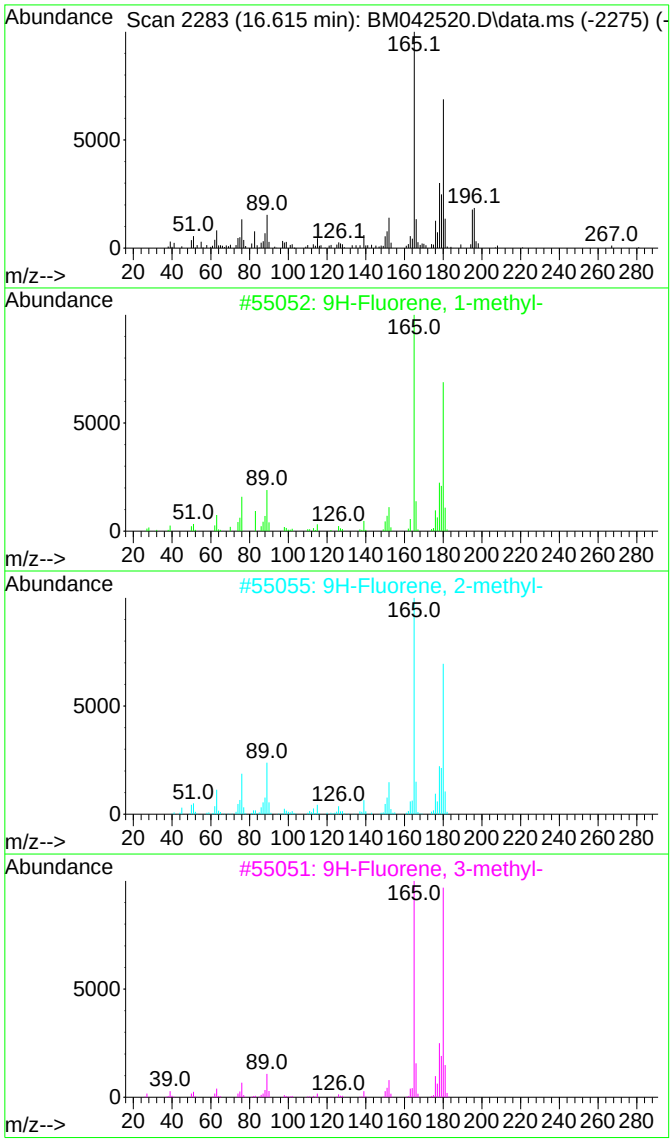
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

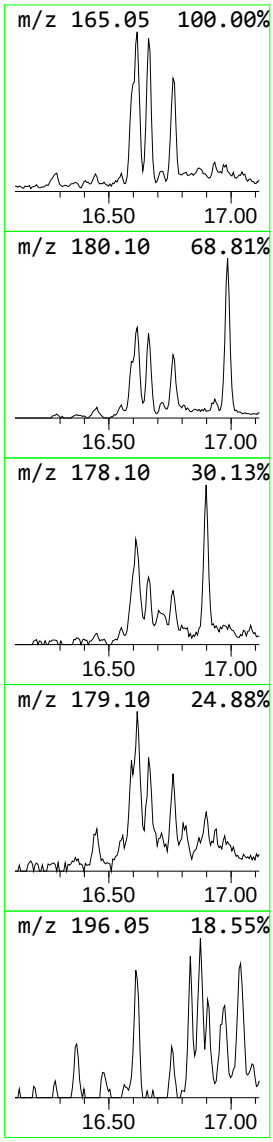
****

Peak Number 2 9H-Fluorene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.615	3.73 ng	163270	Phenanthrene-d10	17.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	97
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	94
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	89
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
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ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A-6(0-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

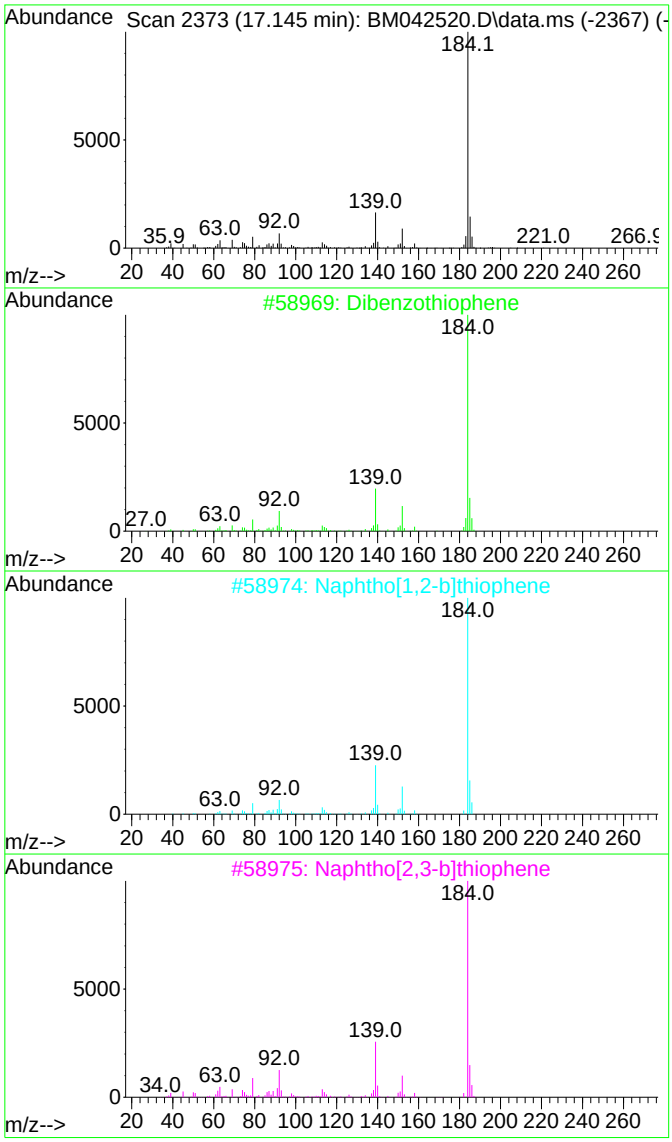
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

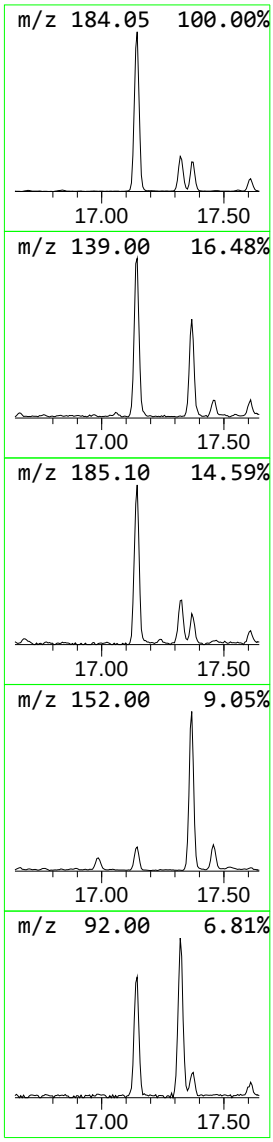
****

Peak Number 3 Dibenzothiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.145	12.51 ng	547343	Phenanthrene-d10	17.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

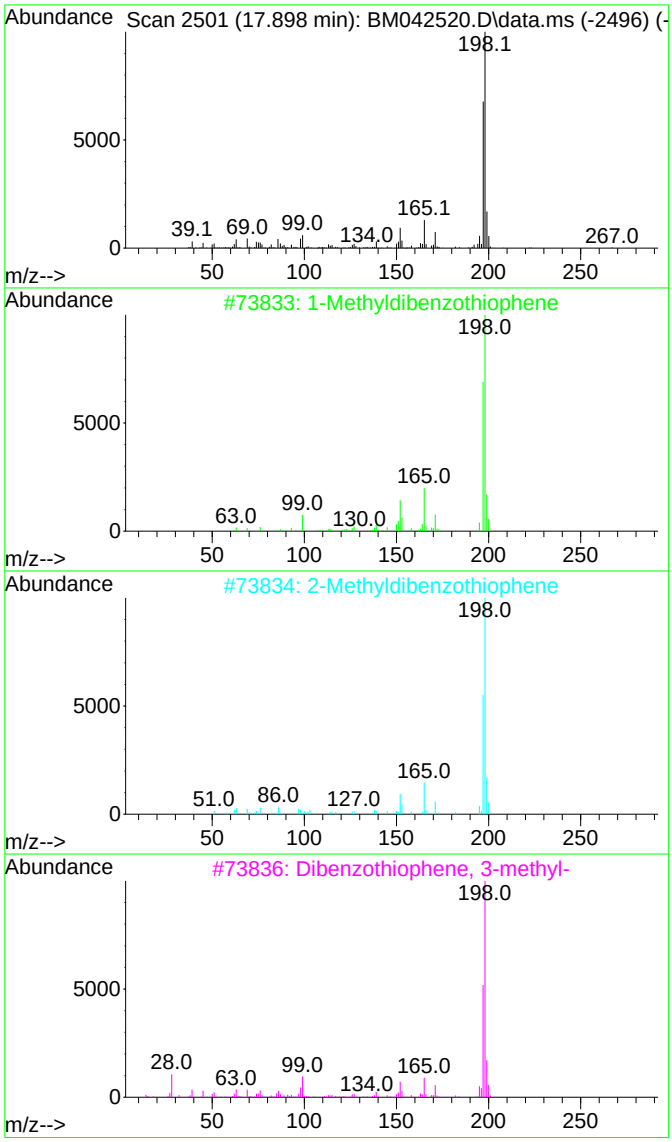
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

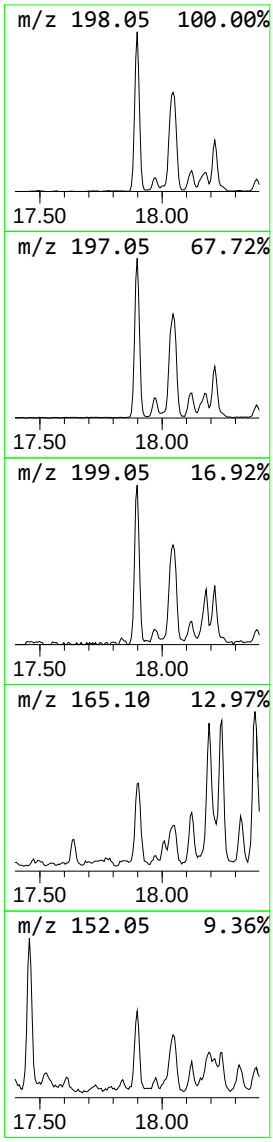
****

Peak Number 4 1-Methyldibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.898	9.12 ng	399034	Phenanthrene-d10	17.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	97
2	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	96
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	95
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	95
5	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
Data File : BM042520.D
Acq On : 31 Oct 2023 20:46
Operator : MA/JU
Sample : 04938-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A-6(0-2)

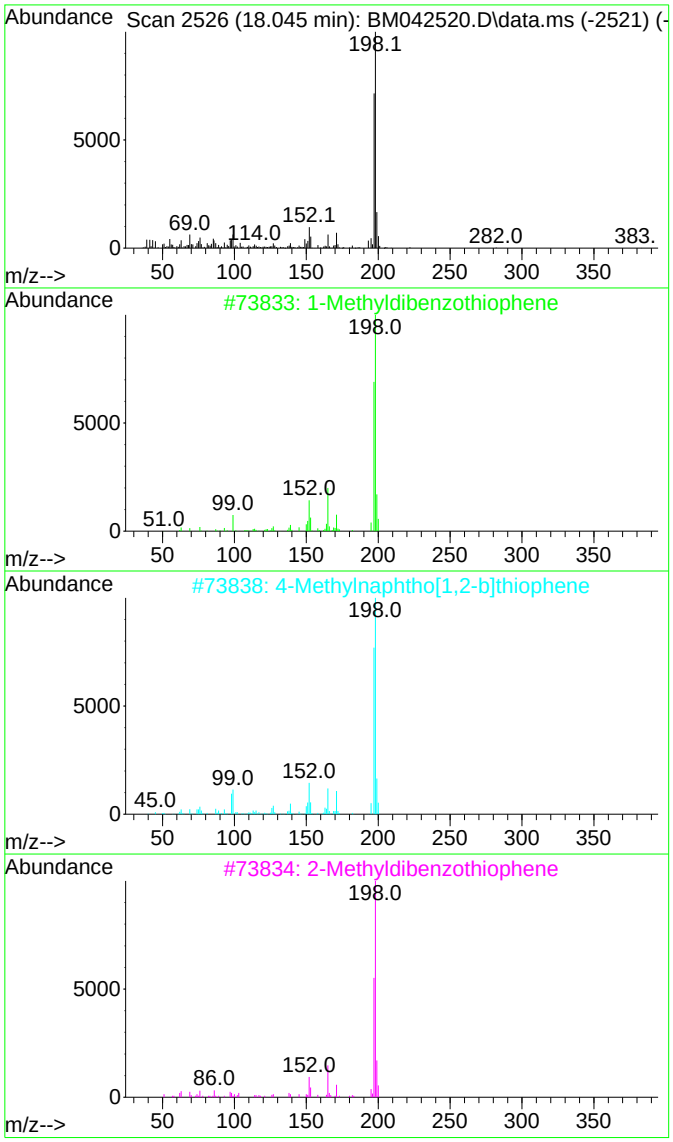
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

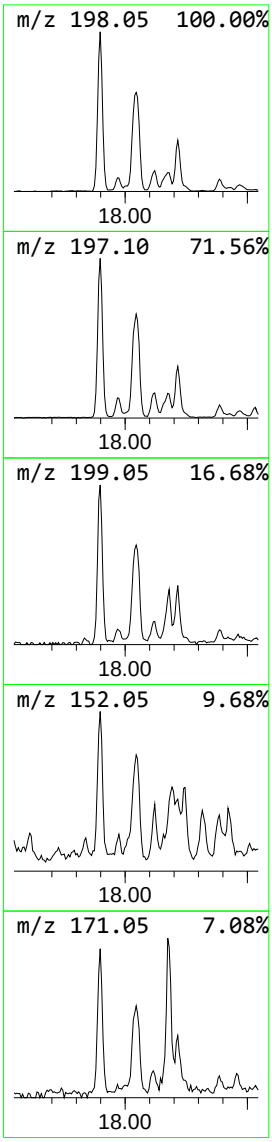
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.045	9.29 ng	406307	Phenanthrene-d10	17.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	95
2	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	94
3	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	94
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	90
5	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
Data File : BM042520.D
Acq On : 31 Oct 2023 20:46
Operator : MA/JU
Sample : 04938-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A-6(0-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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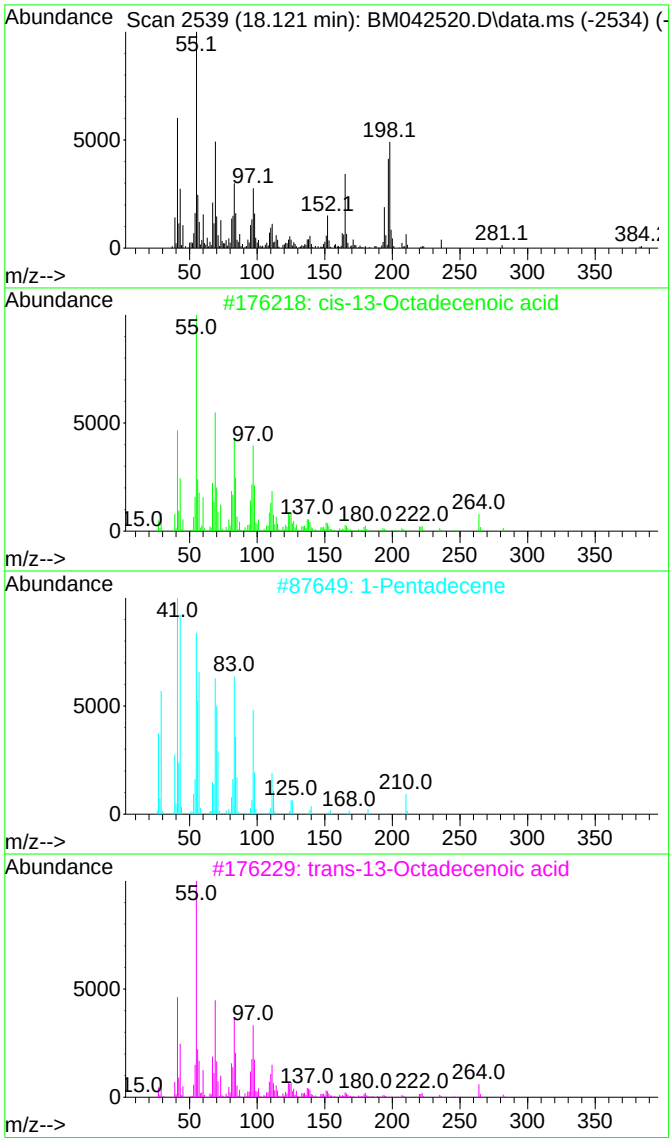
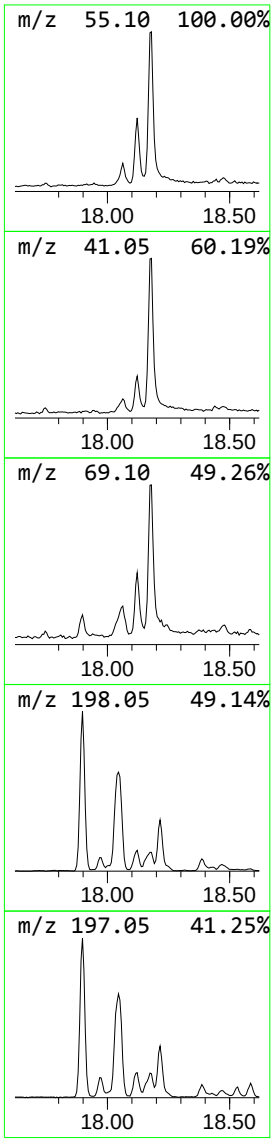
Peak Number 6 cis-13-Octadecenoic acid Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.121	6.36 ng	278090	Phenanthrene-d10	17.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-13-Octadecenoic acid	282	C18H34O2	013126-39-1	90
2	1-Pentadecene	210	C15H30	013360-61-7	25
3	trans-13-Octadecenoic acid	282	C18H34O2	000693-71-0	15
4	Hexadecenoic acid, Z-11-	254	C16H30O2	002416-20-8	11
5	Dodecyl thiocyanate	227	C13H25NS	000765-15-1	10





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Operator : MA/JU
Sample : 04938-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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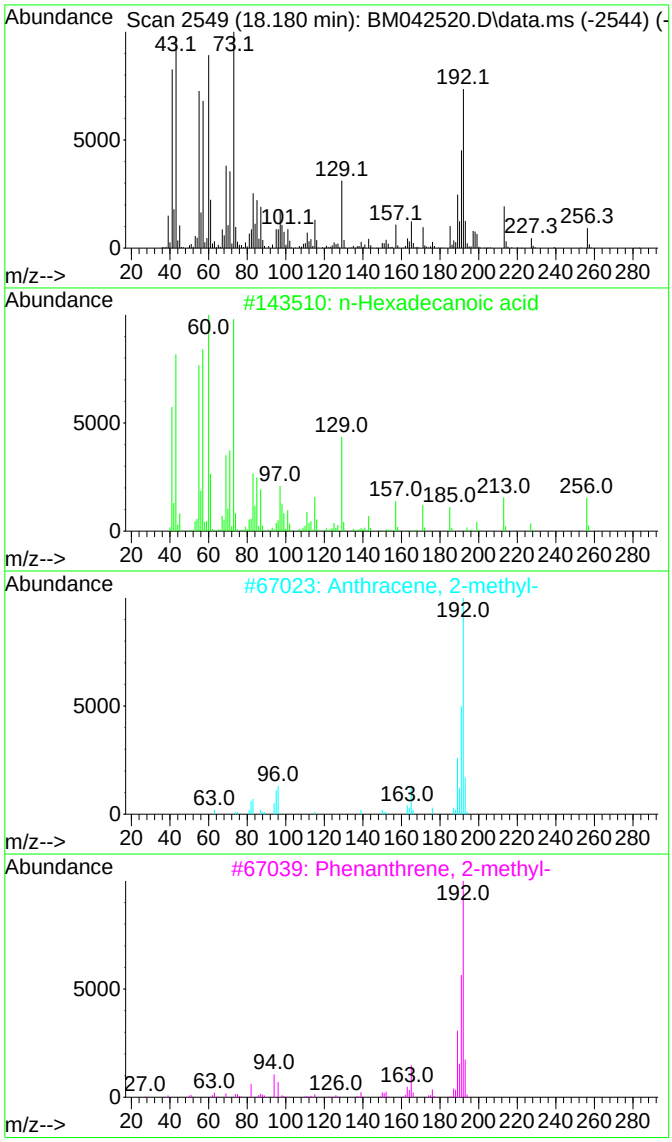
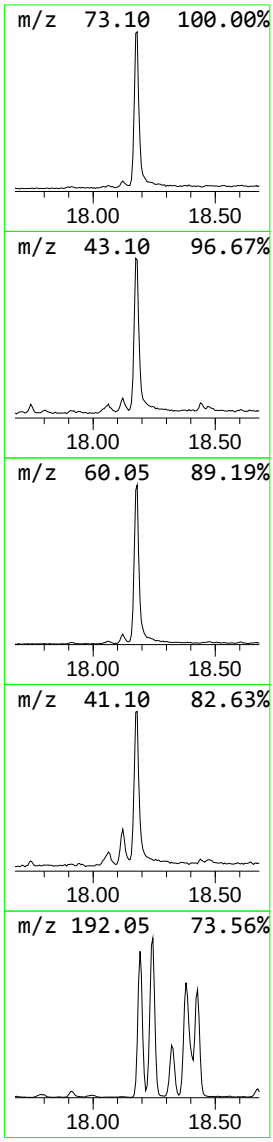
Peak Number 7 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.180	36.63 ng	1602200	Phenanthrene-d10	17.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	92
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	92
5	Tridecanoic acid	214	C13H26O2	000638-53-9	90





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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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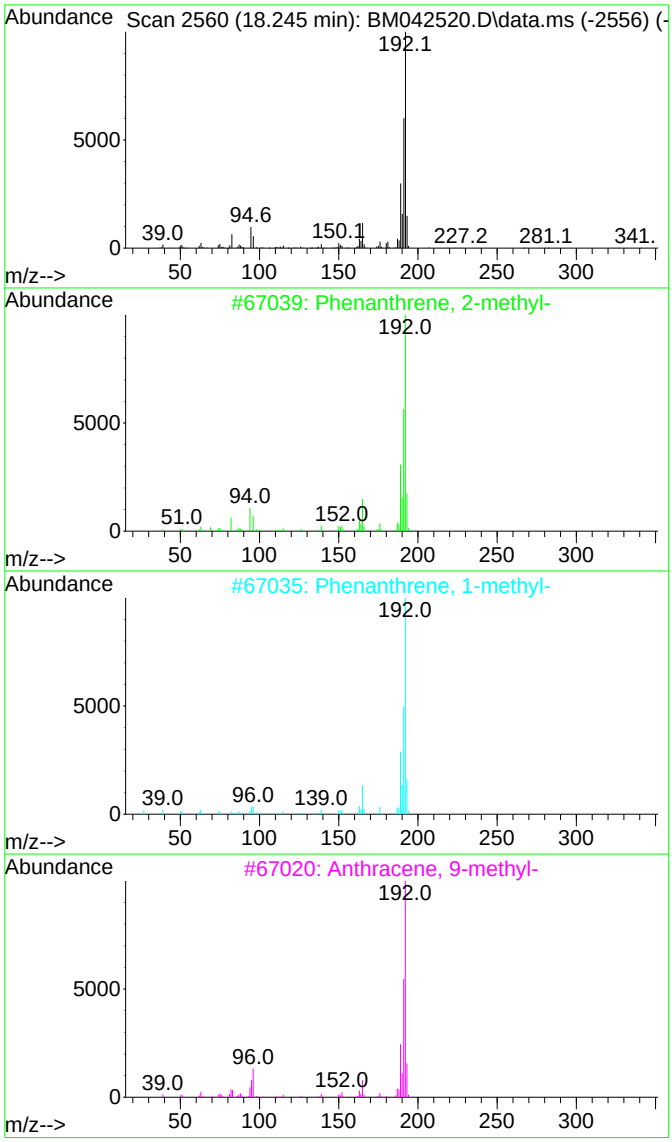
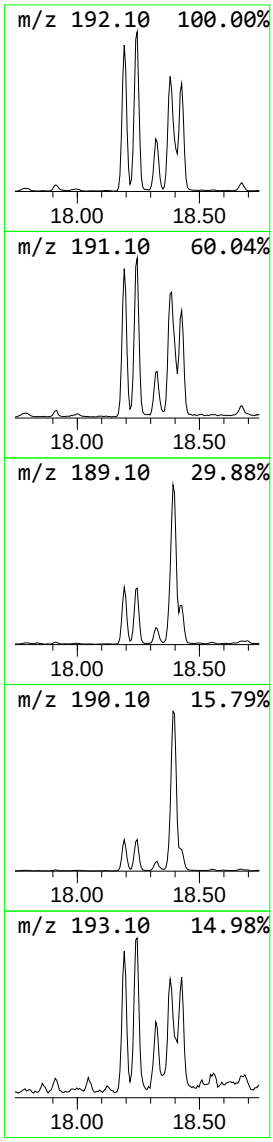
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.245	15.00 ng	656071	Phenanthrene-d10	17.321

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	94
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





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ALS Vial : 9 Sample Multiplier: 1

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ClientSampleId :
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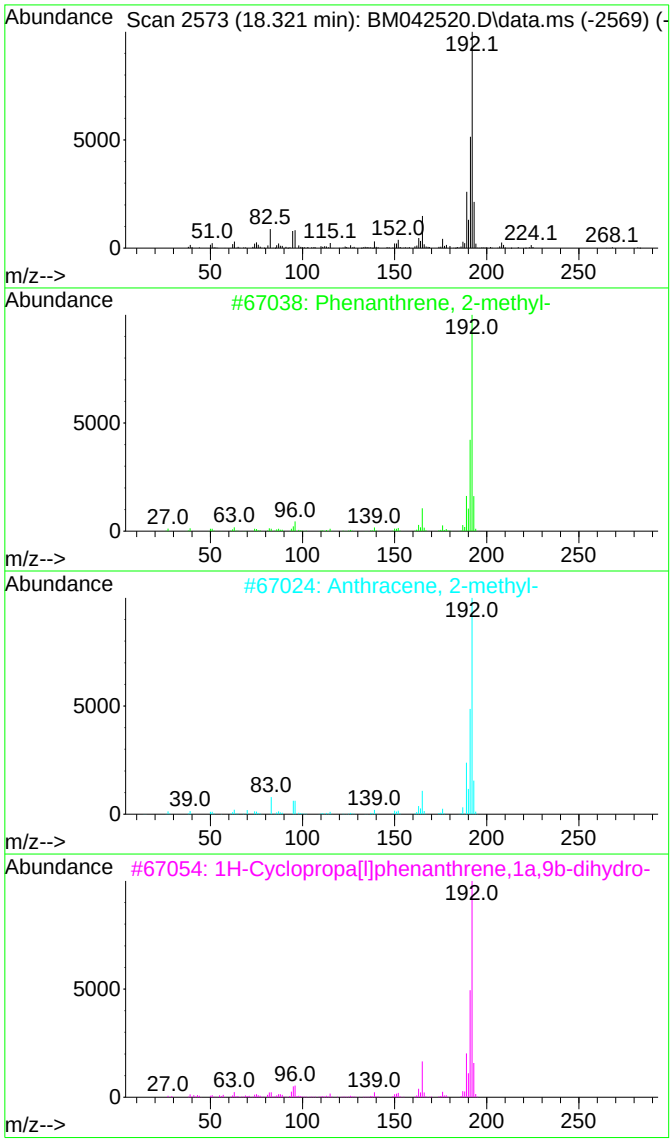
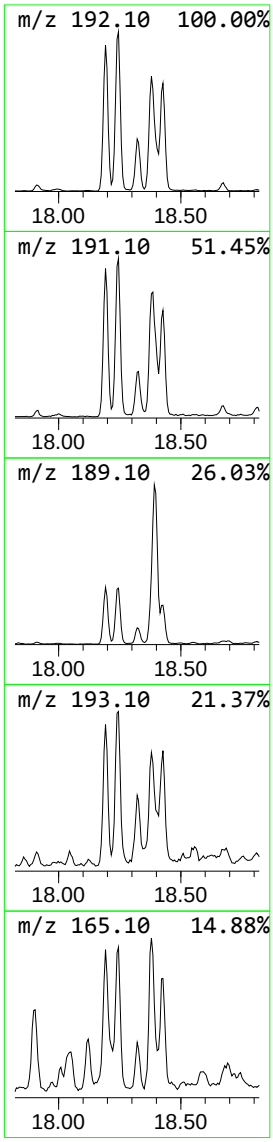
Peak Number 9 Anthracene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.321	4.18 ng	182973	Phenanthrene-d10	17.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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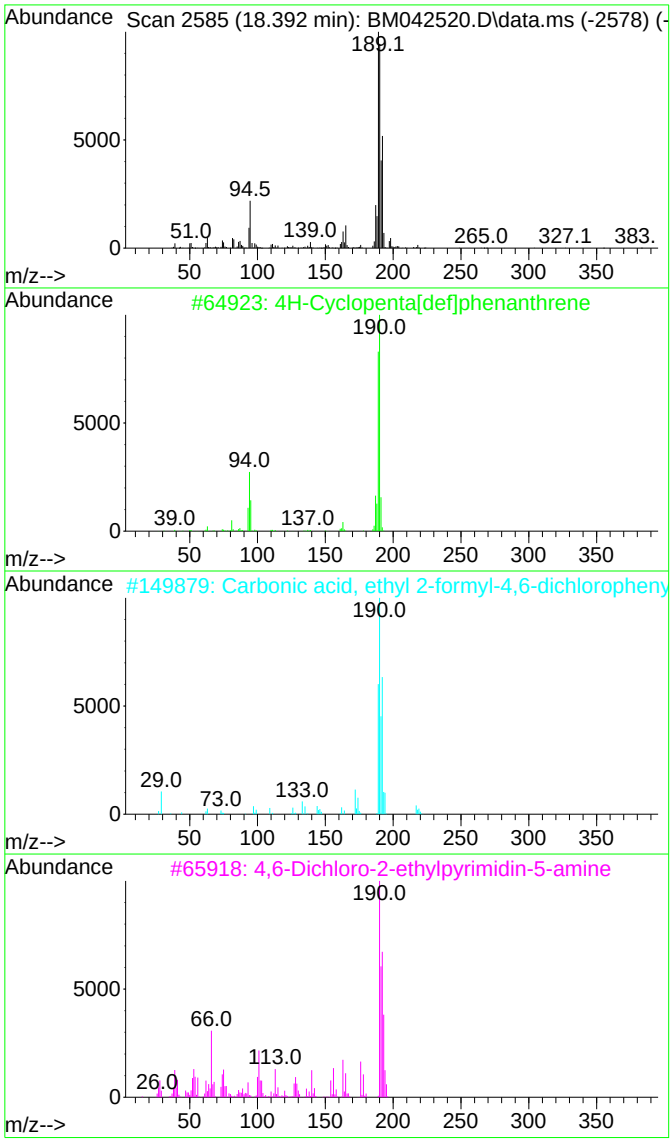
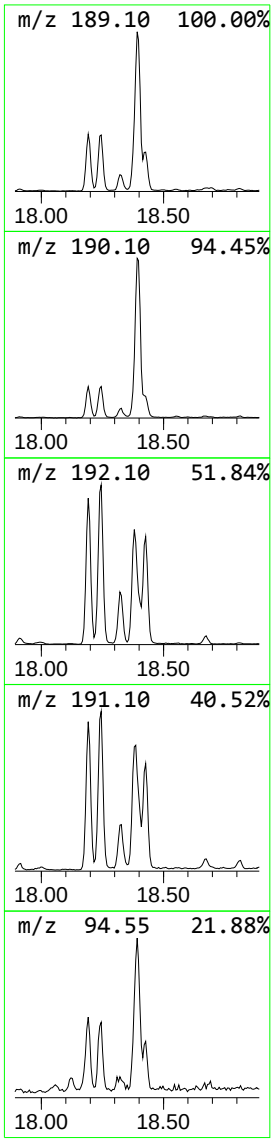
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.392	24.40 ng	1067350	Phenanthrene-d10	17.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
3	4,6-Dichloro-2-ethylpyrimidin-5-...	191	C6H7Cl2N3	006237-96-3	43
4	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	18
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	18





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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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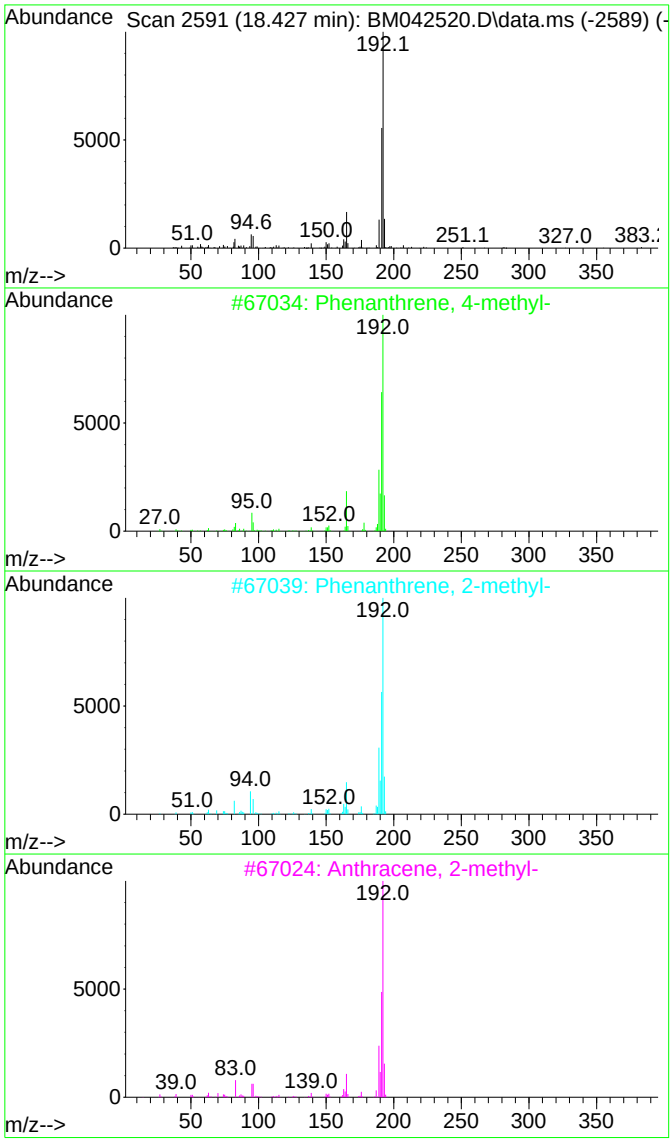
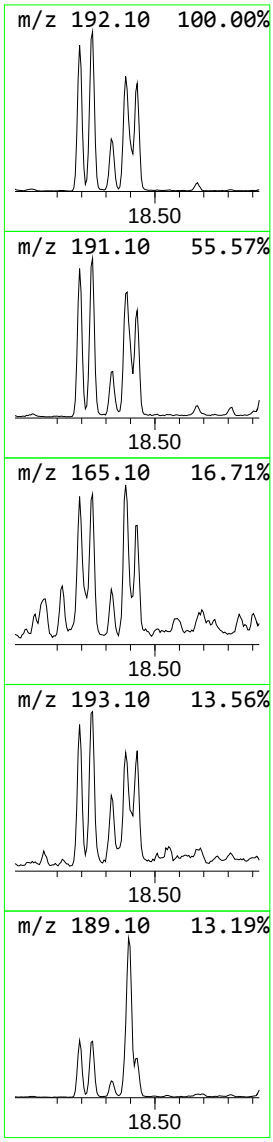
Peak Number 11 Phenanthrene, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.427	7.20 ng	315177	Phenanthrene-d10	17.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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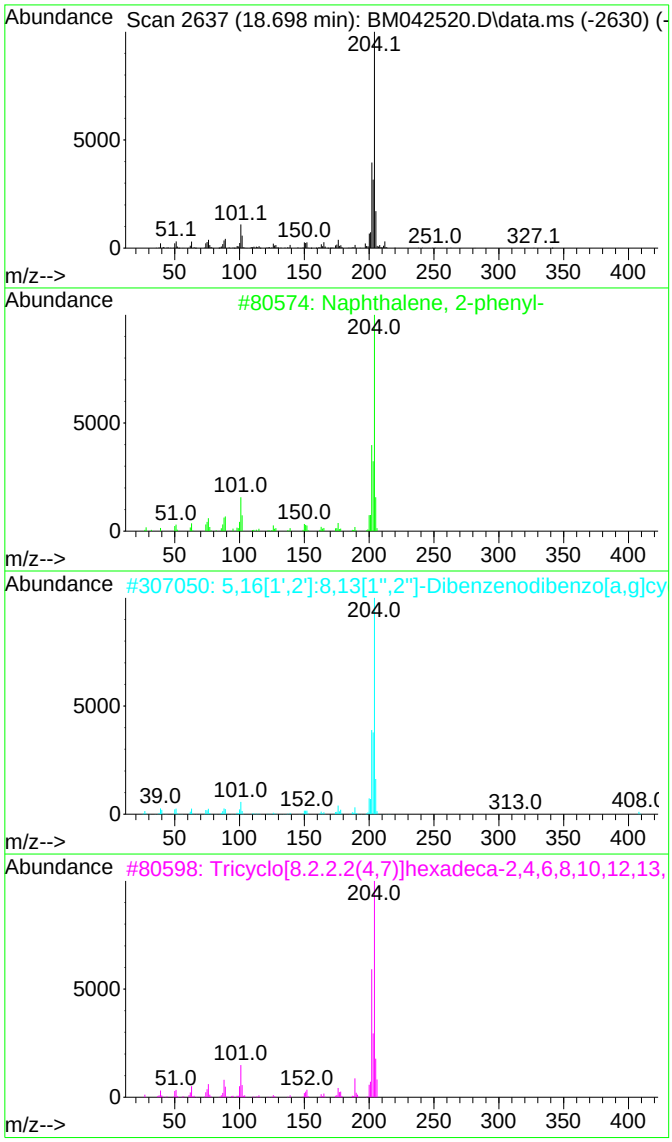
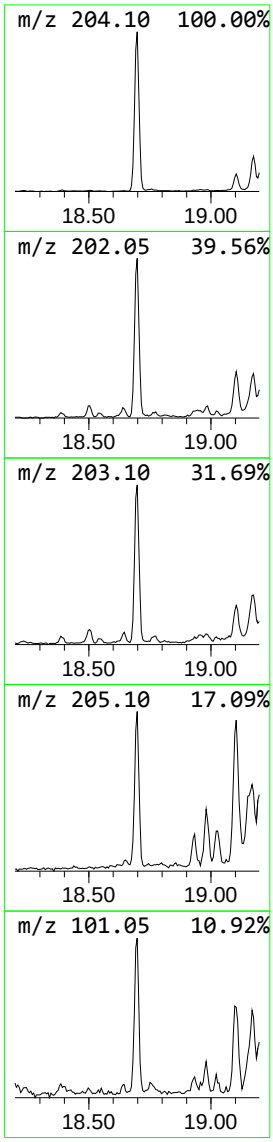
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.698	11.98 ng	524170	Phenanthrene-d10	17.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
4	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	49
5	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	49





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Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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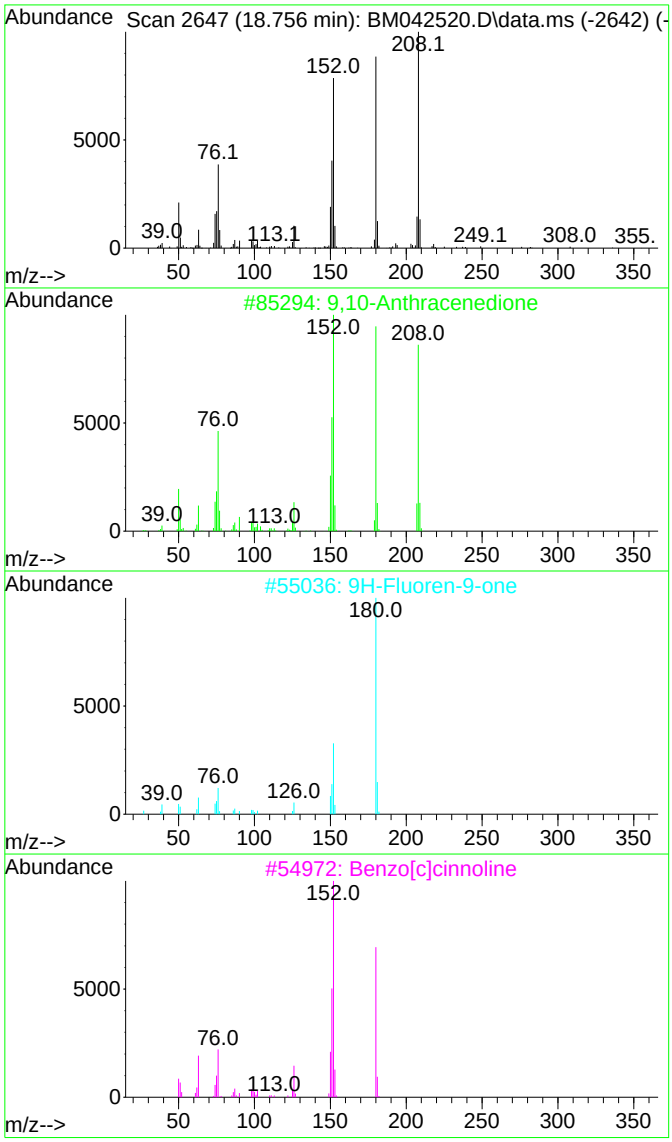
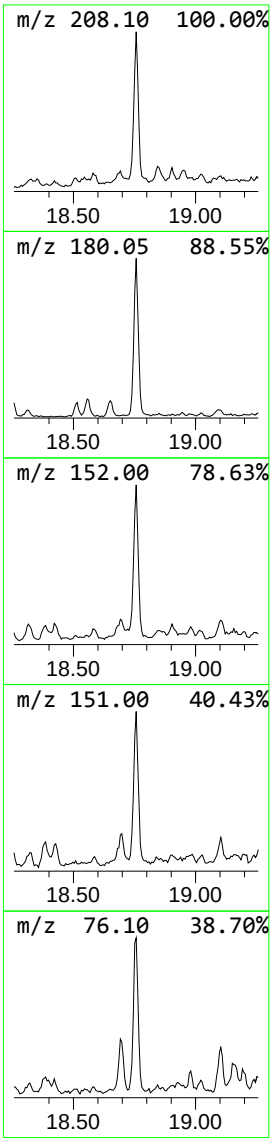
Peak Number 13 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.756	7.88 ng	344660	Phenanthrene-d10	17.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	52
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	49





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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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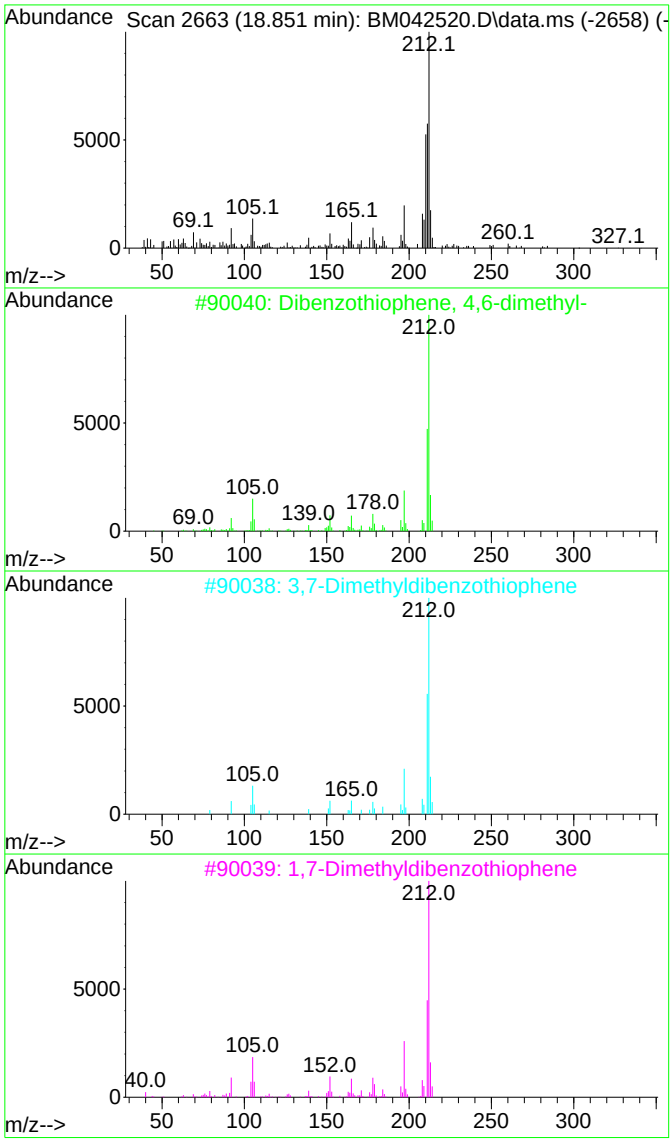
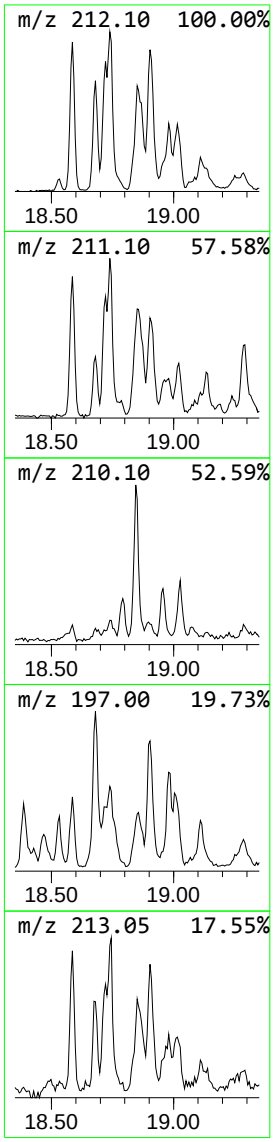
Peak Number 14 Dibenzothiophene, 4,6-dimet... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.851	3.74 ng	163451	Phenanthrene-d10	17.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4,6-dimethyl-	212	C14H12S	001207-12-1	93
2	3,7-Dimethyldibenzothiophene	212	C14H12S	001136-85-2	89
3	1,7-Dimethyldibenzothiophene	212	C14H12S	089816-53-5	83
4	2,6-Dimethyldibenzothiophene	212	C14H12S	089816-75-1	76
5	2,8-Dimethyldibenzo(b,d)thiophene	212	C14H12S	001207-15-4	64





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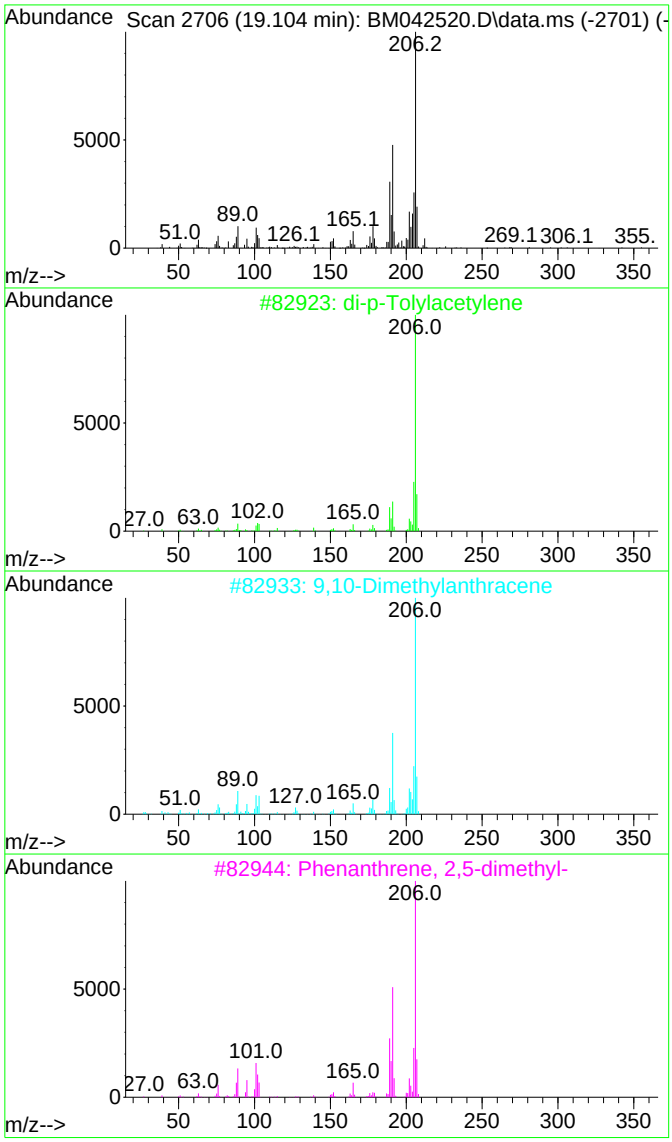
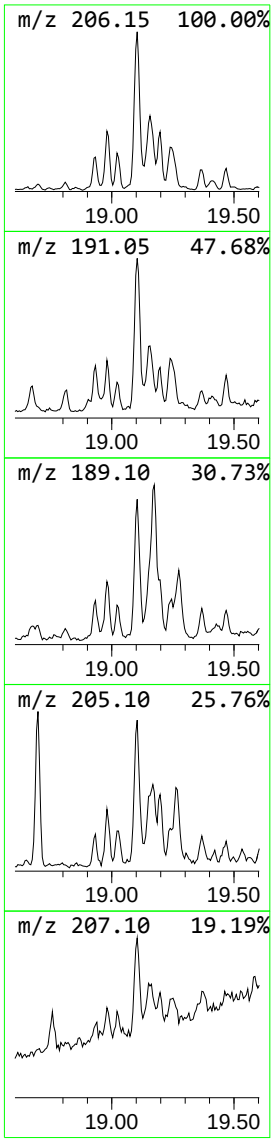
Peak Number 15 di-p-Tolylacetylene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.104	8.48 ng	371146	Phenanthrene-d10	17.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90





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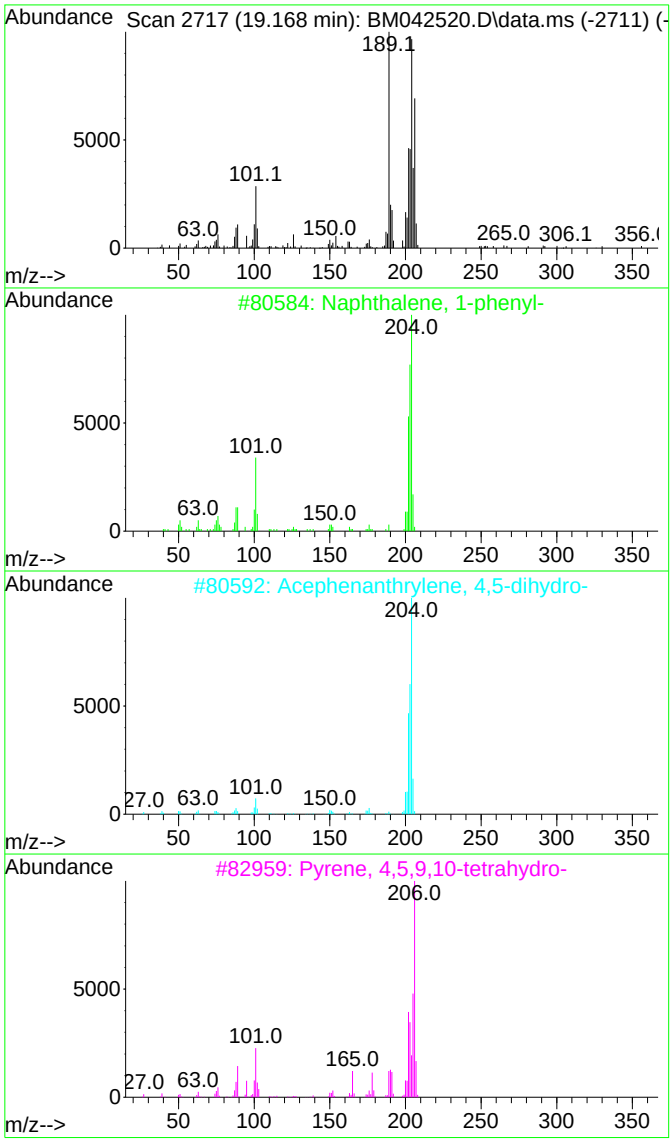
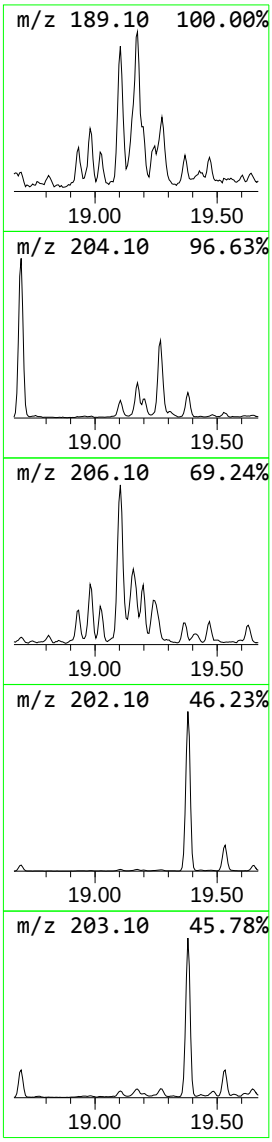
Peak Number 16 unknown19.168 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.168	5.67 ng	247893	Phenanthrene-d10	17.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49
2	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	46
3	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	43
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	43
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	42





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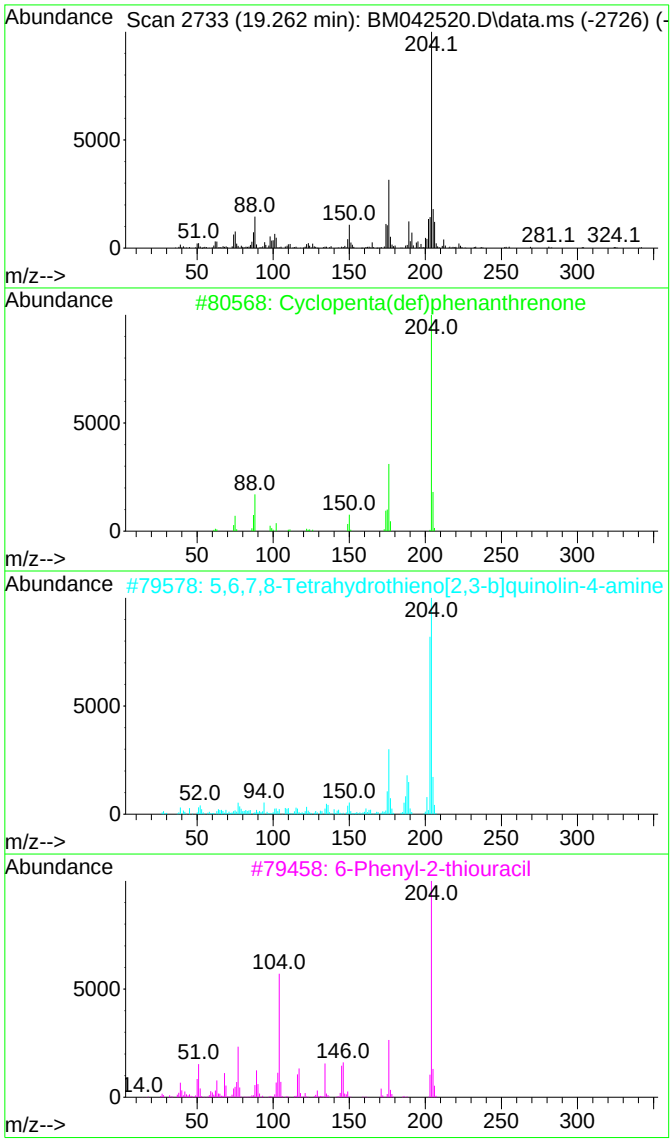
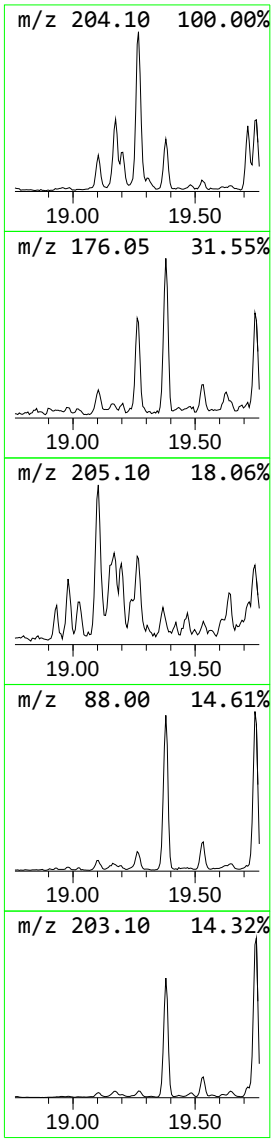
Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.262	9.67 ng	422931	Phenanthrene-d10	17.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	59
3	6-Phenyl-2-thiouracil	204	C10H8N2OS	005590-94-3	53
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	53
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53





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Data File : BM042520.D
Acq On : 31 Oct 2023 20:46
Operator : MA/JU
Sample : 04938-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A-6(0-2)

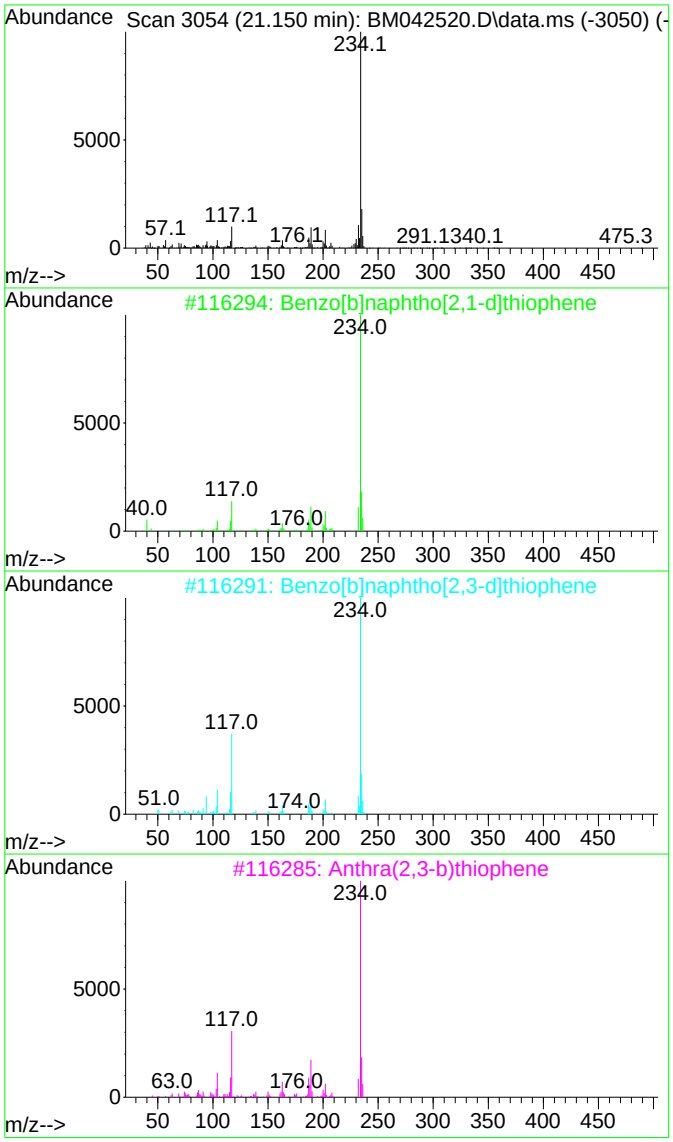
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

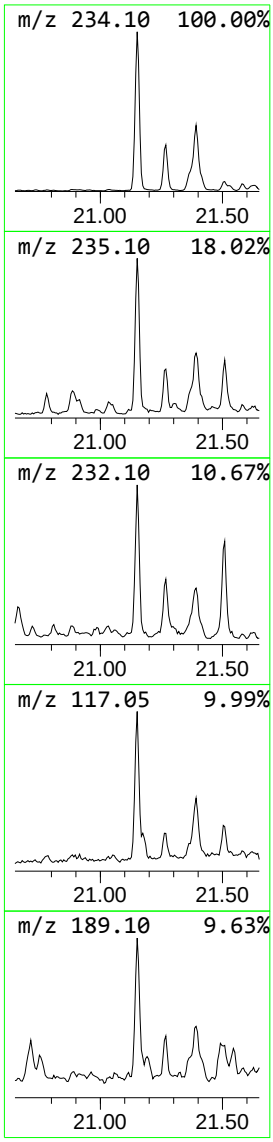
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.150	5.36 ng	868718	Chrysene-d12	21.509

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	98
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95
3	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	95
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	93
5	Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
Data File : BM042520.D
Acq On : 31 Oct 2023 20:46
Operator : MA/JU
Sample : 04938-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A-6(0-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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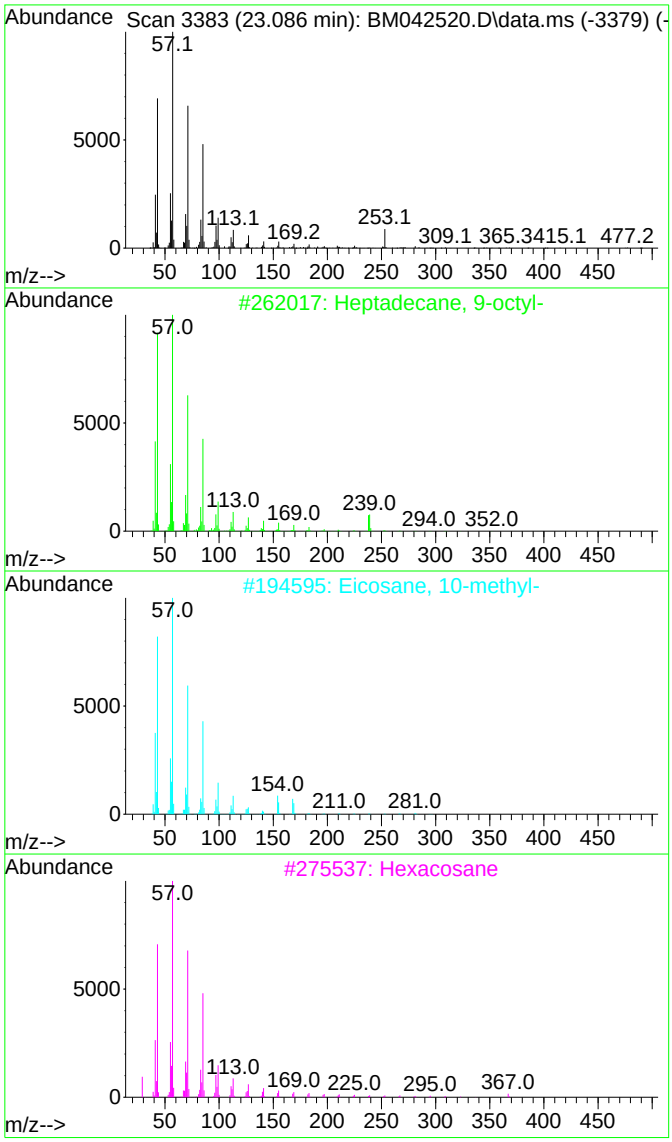
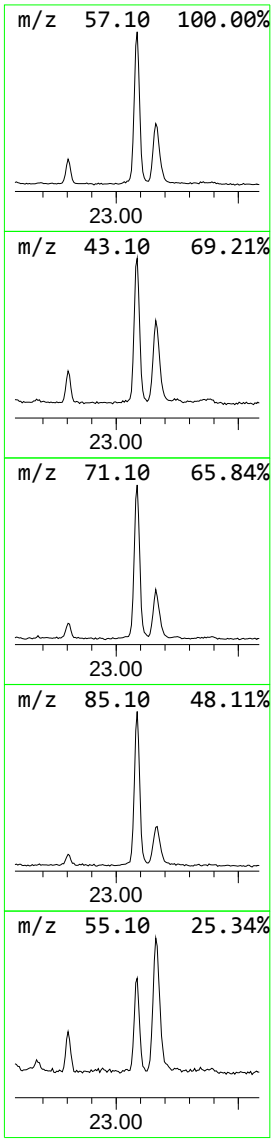
Peak Number 19 Heptadecane, 9-octyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.086	19.06 ng	797524	Perylene-d12	23.927

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	96
2	Eicosane, 10-methyl-	296	C21H44	054833-23-7	93
3	Hexacosane	366	C26H54	000630-01-3	91
4	Heptacosane	380	C27H56	000593-49-7	91
5	Octacosane, 2-methyl-	408	C29H60	001560-98-1	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
Data File : BM042520.D
Acq On : 31 Oct 2023 20:46
Operator : MA/JU
Sample : 04938-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A-6(0-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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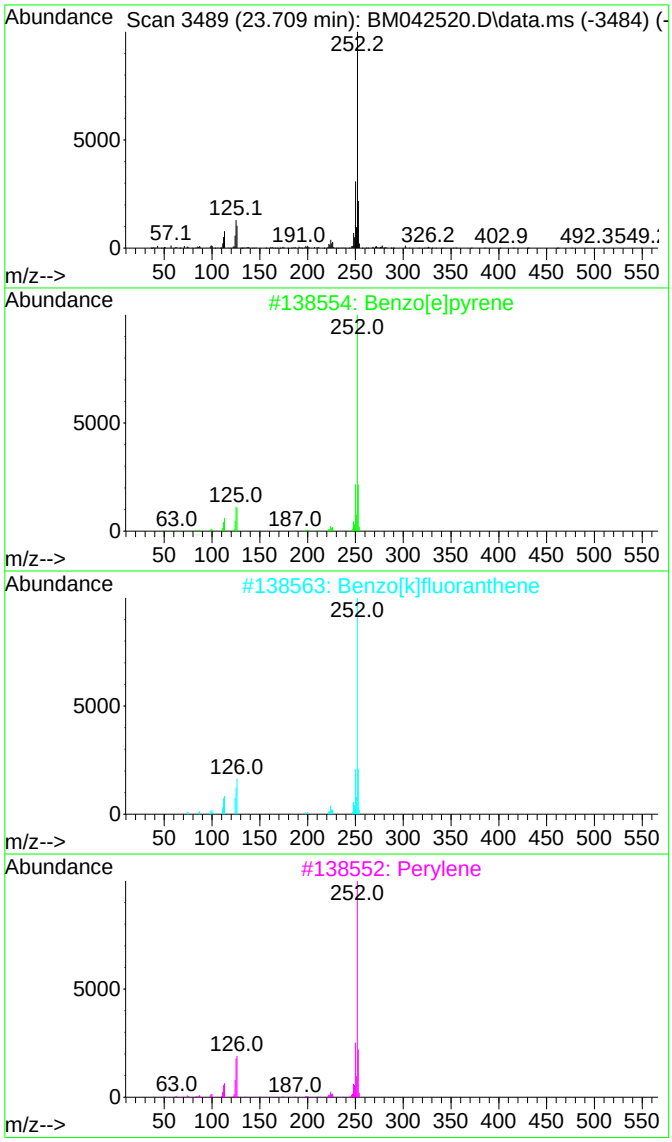
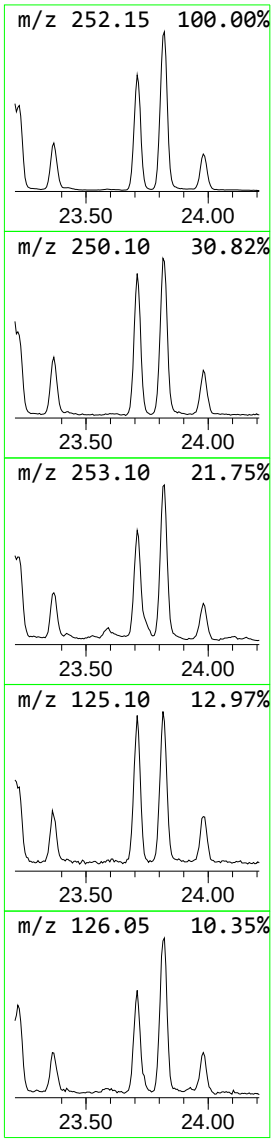
Peak Number 20 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.709	29.02 ng	1214490	Perylene-d12	23.927

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	98
3	Perylene	252	C20H12	000198-55-0	95
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
Data File : BM042520.D
Acq On : 31 Oct 2023 20:46
Operator : MA/JU
Sample : 04938-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A-6(0-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.010	5.9	ng	140846	1	7.922	477776	20.0
9H-Fluorene, 1-...	16.615	3.7	ng	163270	4	17.321	874909	20.0
Dibenzothiophene	17.145	12.5	ng	547343	4	17.321	874909	20.0
1-Methyldibenzo...	17.898	9.1	ng	399034	4	17.321	874909	20.0
4-Methylnaphtho...	18.045	9.3	ng	406307	4	17.321	874909	20.0
cis-13-Octadece...	18.121	6.4	ng	278090	4	17.321	874909	20.0
n-Hexadecanoic ...	18.180	36.6	ng	1602200	4	17.321	874909	20.0
Phenanthrene, 2...	18.245	15.0	ng	656071	4	17.321	874909	20.0
Anthracene, 2-m...	18.321	4.2	ng	182973	4	17.321	874909	20.0
4H-Cyclopenta[d...	18.392	24.4	ng	1067350	4	17.321	874909	20.0
Phenanthrene, 4...	18.427	7.2	ng	315177	4	17.321	874909	20.0
Naphthalene, 2-...	18.698	12.0	ng	524170	4	17.321	874909	20.0
9,10-Anthracene...	18.756	7.9	ng	344660	4	17.321	874909	20.0
Dibenzothiophen...	18.851	3.7	ng	163451	4	17.321	874909	20.0
di-p-Tolylacety...	19.104	8.5	ng	371146	4	17.321	874909	20.0
unknown19.168	19.168	5.7	ng	247893	4	17.321	874909	20.0
Cyclopenta(def)...	19.262	9.7	ng	422931	4	17.321	874909	20.0
Benzo[b]naphtho...	21.150	5.4	ng	868718	5	21.509	3242010	20.0
Heptadecane, 9-...	23.086	19.1	ng	797524	6	23.927	837067	20.0
Benzo[e]pyrene	23.709	29.0	ng	1214490	6	23.927	837067	20.0