LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049966.D
Acq On : 18 Apr 2025 15:08
Operator : RC/JU
Sample : Q1832-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-01

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-BM040825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM049966.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.887	317	323	331	rBV	910729	1230760	2.51%	0.245%
2	5.357	396	403	415	rBV	4751563	6798670	13.89%	1.356%
3	6.951	666	674	696	rBV	4038322	6882038	14.06%	1.372%
4	7.769	805	813	820	rBV	1684525	2681702	5.48%	0.535%
5	8.922	996	1009	1023	rBV	2575787	4332749	8.85%	0.864%
6	10.557	1279	1287	1293	rBV	1878994	3179376	6.50%	0.634%
7	13.027	1698	1707	1725	rBV	6633126	9756115	19.93%	1.945%
8	14.133	1886	1895	1910	rBV	717691	1201958	2.46%	0.240%
9	14.410	1933	1942	1948	rBV	2649072	3828924	7.82%	0.763%
10	14.474	1948	1953	1961	rVB	1221501	1832575	3.74%	0.365%
11	14.810	2005	2010	2018	rVB	461863	696994	1.42%	0.139%
12	15.457	2114	2120	2132	rVB	1443991	2159742	4.41%	0.431%
13	15.768	2166	2173	2185	rVB2	1342639	2214508	4.52%	0.442%
14	15.904	2185	2196	2204	rBV	5044260	7312228	14.94%	1.458%
15	16.133	2229	2235	2246	rVB2	302723	495792	1.01%	0.099%
16	16.462	2280	2291	2296	rBV3	347420	870236	1.78%	0.174%
17	16.809	2346	2350	2358	rVB	674937	989667	2.02%	0.197%
18	16.974	2370	2378	2387	rVB	736124	1149095	2.35%	0.229%
19	17.156	2403	2409	2412	rBV	2645118	3903988	7.98%	0.778%
20	17.204	2412	2417	2423	rVV	18652360	26633909	54.42%	5.310%
21	17.286	2423	2431	2437	rVV	2857804	4166373	8.51%	0.831%
22	17.351	2437	2442	2447	rVB2	300953	516368	1.06%	0.103%
23	17.556	2468	2477	2482	rBV2	1612412	2783351	5.69%	0.555%
24	17.674	2492	2497	2503	rBV	630759	862446	1.76%	0.172%
25	17.739	2503	2508	2516	rVB5	290131	518374	1.06%	0.103%
26	18.033	2548	2558	2561	rBV	2062634	3278256	6.70%	0.654%
27	18.080	2561	2566	2571	rVB	2940553	4447025	9.09%	0.887%
28	18.162	2576	2580	2585	rVV	667175	1024464	2.09%	0.204%
29	18.227	2585	2591	2595	rVV3	4092597	6887432	14.07%	1.373%
30	18.262	2595	2597	2603	rVB	1425721	1592635	3.25%	0.318%
31	18.533	2638	2643	2646	rVV	1984473	2583216	5.28%	0.515%
32	18.574	2646	2650	2656	rVB	3329732	4335433	8.86%	0.864%
33	18.780	2681	2685	2689	rBV3	442907	531858	1.09%	0.106%
34	18.950	2709	2714	2720	rBV2	729504	1486844	3.04%	0.296%
35	19.015	2720	2725	2728	rVV3	522117	967891	1.98%	0.193%
36	19.098	2734	2739	2746	rVB2	1190352	2007202	4.10%	0.400%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049966.D
Acq On : 18 Apr 2025 15:08
Operator : RC/JU
Sample : Q1832-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-01

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-BM040825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	19.227	2752	2761	2765	rBV2	32259216	48941582	100.00%	9.758%
38	19.280	2766	2770	2773	rBV	407755	512241	1.05%	0.102%
39	19.315	2773	2776	2781	rBV	548016	725196	1.48%	0.145%
40	19.362	2781	2784	2788	rVB	424769	544113	1.11%	0.108%
41	19.415	2788	2793	2796	rBV2	622225	1002741	2.05%	0.200%
42	19.456	2796	2800	2804	rVB	620807	850911	1.74%	0.170%
43	19.586	2817	2822	2829	rVB	28912436	43727859	89.35%	8.719%
44	19.650	2829	2833	2839	rVB2	1216439	1761243	3.60%	0.351%
45	19.780	2846	2855	2859	rBV2	9465300	13313160	27.20%	2.654%
46	19.821	2859	2862	2869	rVB	1158826	1699969	3.47%	0.339%
47	19.903	2870	2876	2882	rBV3	1657541	4085301	8.35%	0.815%
48	19.956	2882	2885	2893	rVV2	573324	899057	1.84%	0.179%
49	20.039	2893	2899	2901	rVV4	1474988	2597201	5.31%	0.518%
50	20.074	2901	2905	2910	rVB	5471087	7353773	15.03%	1.466%
51	20.174	2917	2922	2926	rBV	4288164	5342884	10.92%	1.065%
52	20.233	2926	2932	2936	rVV2	2611723	4486386	9.17%	0.895%
53	20.268	2936	2938	2942	rVB	813819	902362	1.84%	0.180%
54	20.315	2942	2946	2951	rBV4	594756	905072	1.85%	0.180%
55	20.374	2952	2956	2959	rBV	1193890	1433015	2.93%	0.286%
56	20.415	2959	2963	2967	rVV	1324593	1794863	3.67%	0.358%
57	20.633	2995	3000	3002	rBV5	378775	663804	1.36%	0.132%
58	20.668	3003	3006	3008	rBV2	389996	509221	1.04%	0.102%
59	20.780	3022	3025	3029	rBV2	471237	779733	1.59%	0.155%
60	20.827	3029	3033	3039	rVB	2122943	3033893	6.20%	0.605%
61	20.997	3055	3062	3065	rBV2	2401715	4160072	8.50%	0.829%
62	21.039	3065	3069	3072	rVV	2972737	3875045	7.92%	0.773%
63	21.080	3072	3076	3082	rVV2	2755368	5022698	10.26%	1.001%
64	21.139	3082	3086	3098	rVB2	2404638	4071163	8.32%	0.812%
65	21.386	3117	3128	3134	rBV3	17152210	35672346	72.89%	7.112%
66	21.444	3134	3138	3149	rVB	15687804	23201573	47.41%	4.626%
67	21.586	3157	3162	3168	rBV	2677119	3990950	8.15%	0.796%
68	21.644	3168	3172	3177	rVV2	922050	1373280	2.81%	0.274%
69	21.715	3182	3184	3189	rVB	950517	1268578	2.59%	0.253%
70	21.780	3189	3195	3201	rBV2	1782264	3562637	7.28%	0.710%
71	22.080	3239	3246	3251	rVV	1777193	3377834	6.90%	0.673%
72	22.156	3254	3259	3266	rVB2	1499295	3028903	6.19%	0.604%
73	22.280	3276	3280	3285	rVB2	861086	1304554	2.67%	0.260%
74	22.338	3285	3290	3293	rVV	1166835	2007010	4.10%	0.400%
75	22.380	3293	3297	3304	rVB3	1512253	2699514	5.52%	0.538%
76	22.462	3306	3311	3319	rVB3	733544	1699929	3.47%	0.339%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049966.D
Acq On : 18 Apr 2025 15:08
Operator : RC/JU
Sample : Q1832-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-01

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-BM040825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	22.709	3350	3353	3360	rBV3	385519	709079	1.45%	0.141%
78	23.462	3471	3481	3488	rBV	11092157	33912299	69.29%	6.762%
79	23.515	3488	3490	3502	rVB	5993578	9507530	19.43%	1.896%
80	23.691	3514	3520	3527	rVB	1675610	3490583	7.13%	0.696%
81	23.880	3547	3552	3556	rBV2	597177	1337163	2.73%	0.267%
82	24.127	3586	3594	3606	rVB	6222827	16462388	33.64%	3.282%
83	24.268	3608	3618	3629	rVV	9604107	23035564	47.07%	4.593%
84	24.397	3633	3640	3646	rVV	2019862	5418676	11.07%	1.080%
85	24.468	3646	3652	3666	rVB2	2050968	6147582	12.56%	1.226%
86	27.797	4206	4218	4238	rVB2	3921642	16994086	34.72%	3.388%
87	28.862	4386	4399	4411	rVB2	2554204	10210731	20.86%	2.036%

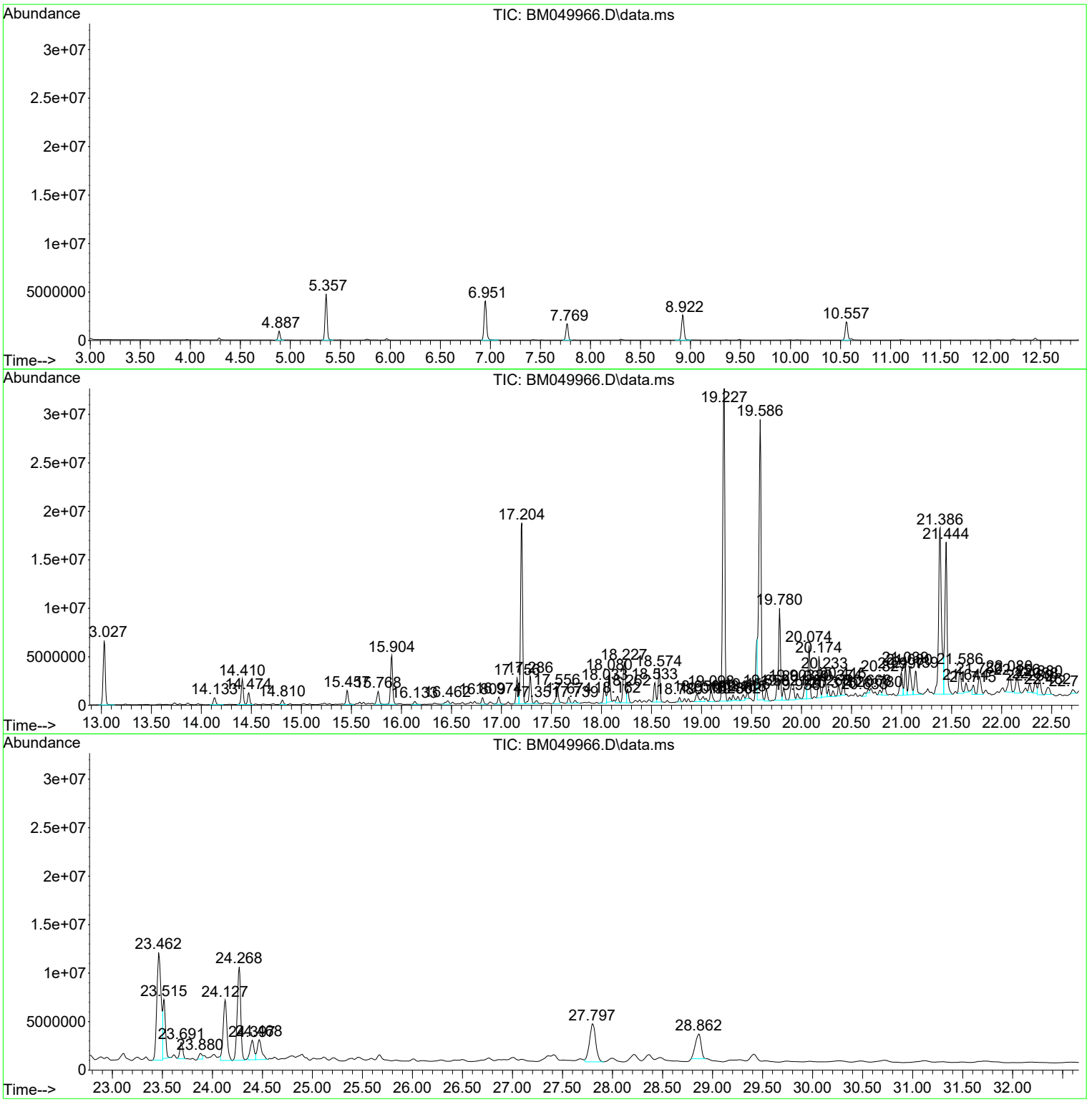
Sum of corrected areas: 501547541

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049966.D
Acq On : 18 Apr 2025 15:08
Operator : RC/JU
Sample : Q1832-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.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\BM041825\
Data File : BM049966.D
Acq On : 18 Apr 2025 15:08
Operator : RC/JU
Sample : Q1832-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-01

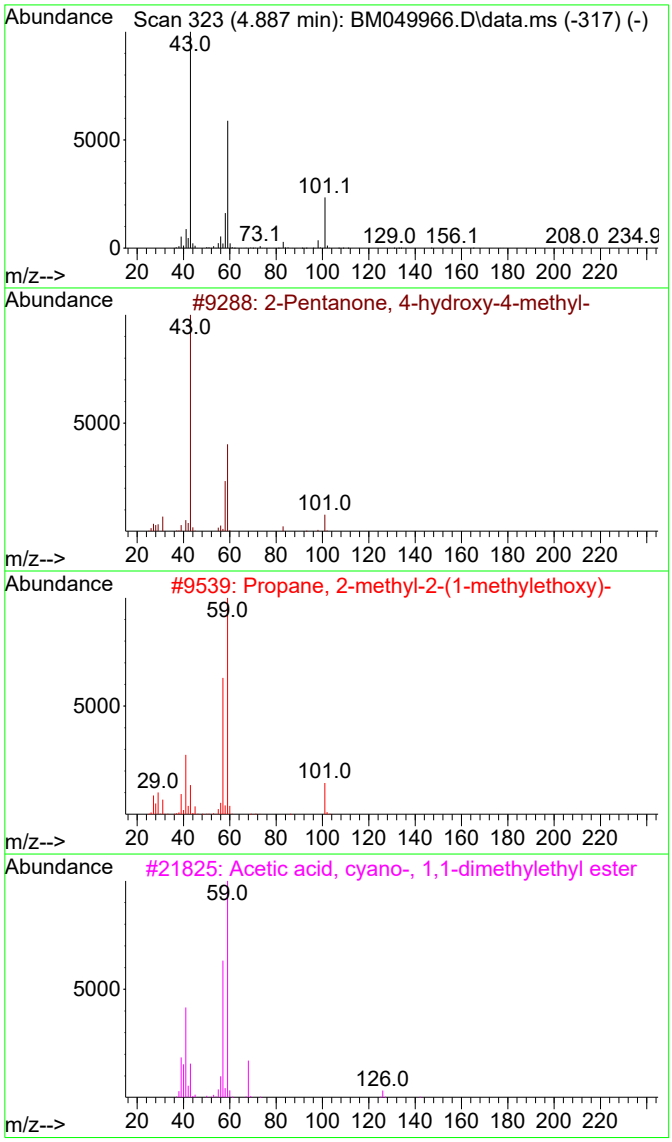
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

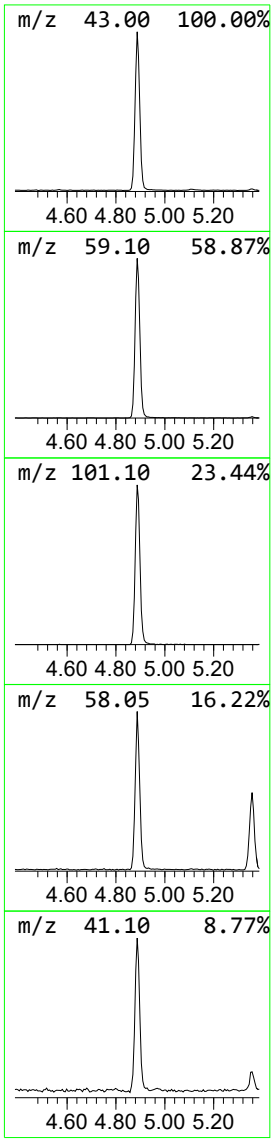
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.887	9.18 ng	1230760	1,4-Dichlorobenzene-d4	7.769

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	50
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
5	4-Hydroxy-3-hexanone	116	C6H12O2	004984-85-4	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049966.D
Acq On : 18 Apr 2025 15:08
Operator : RC/JU
Sample : Q1832-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

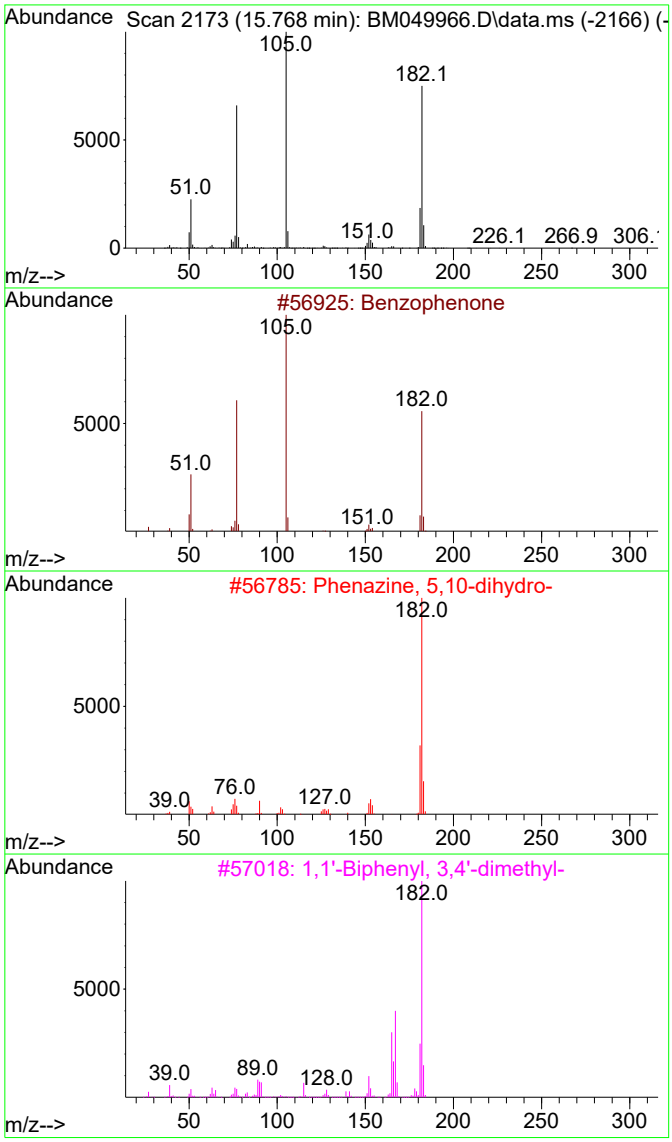
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

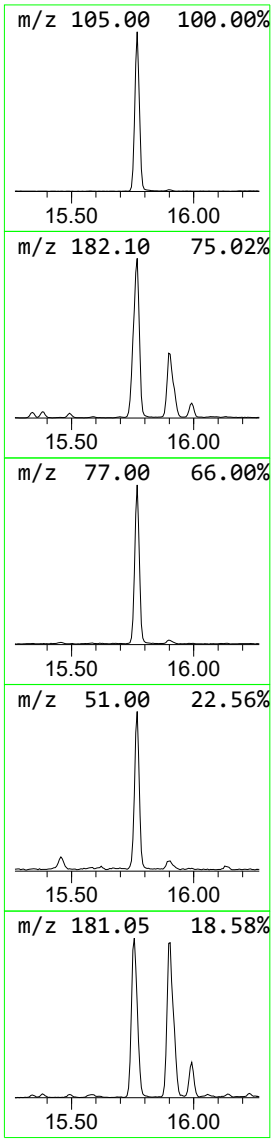
****

Peak Number 2 Benzophenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.768	11.57 ng	2214510	Acenaphthene-d10	14.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Phenazine, 5,10-dihydro-	182	C12H10N2	000613-32-1	46
3	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	46
4	2,4,6-Trimethoxytoluene	182	C10H14O3	014107-97-2	43
5	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049966.D
Acq On : 18 Apr 2025 15:08
Operator : RC/JU
Sample : Q1832-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-01

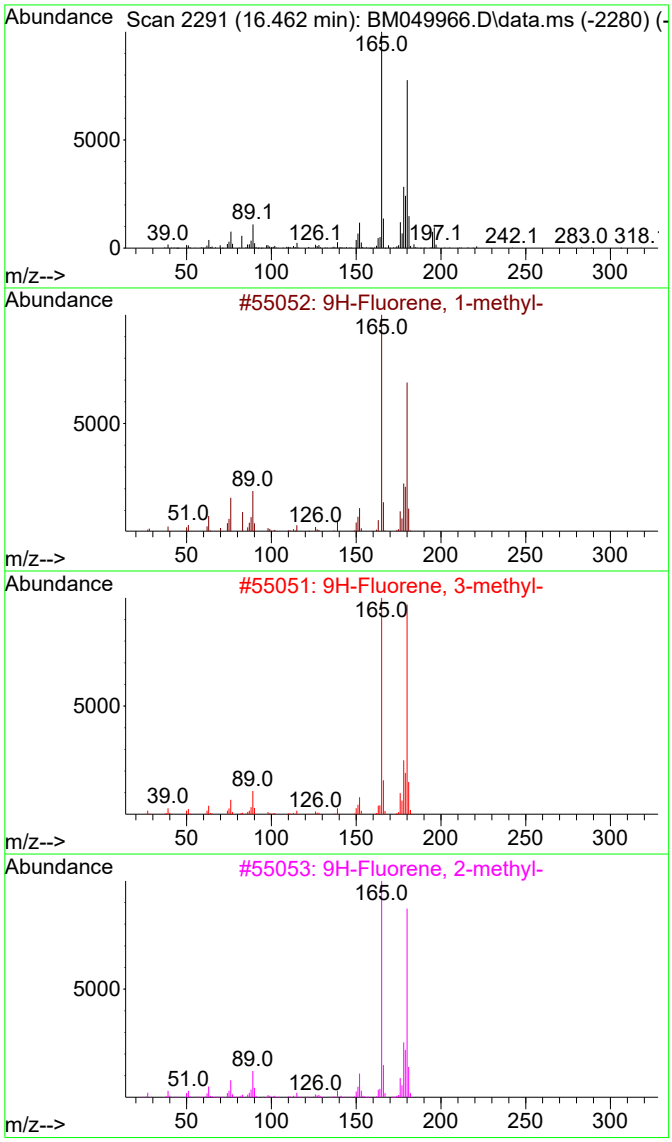
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

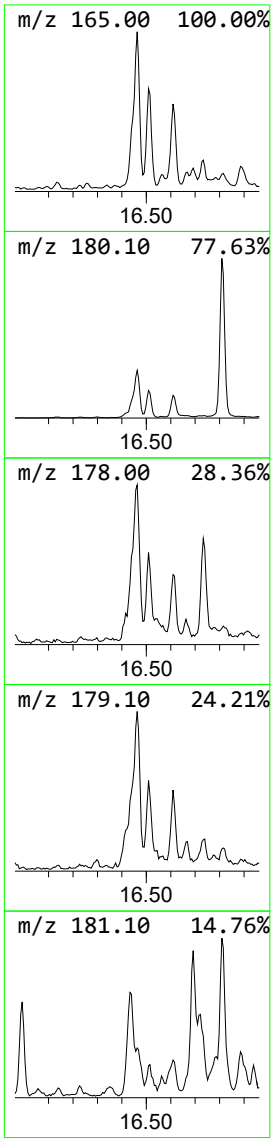
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 9H-Fluorene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.462	4.46 ng	870236	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	89
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049966.D
Acq On : 18 Apr 2025 15:08
Operator : RC/JU
Sample : Q1832-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

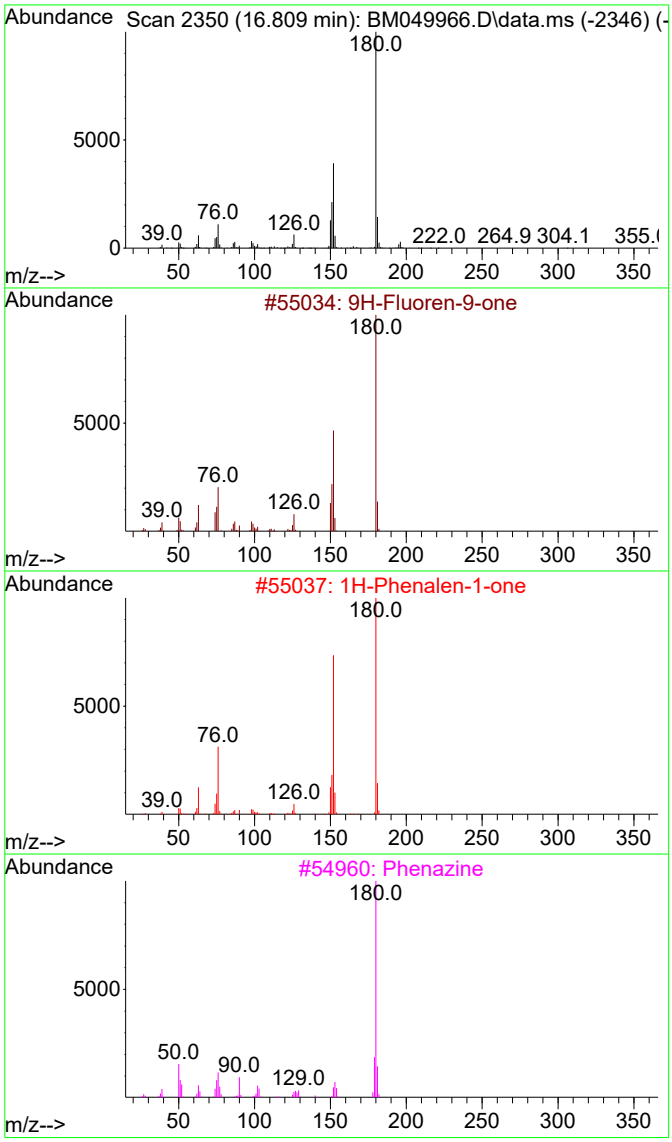
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

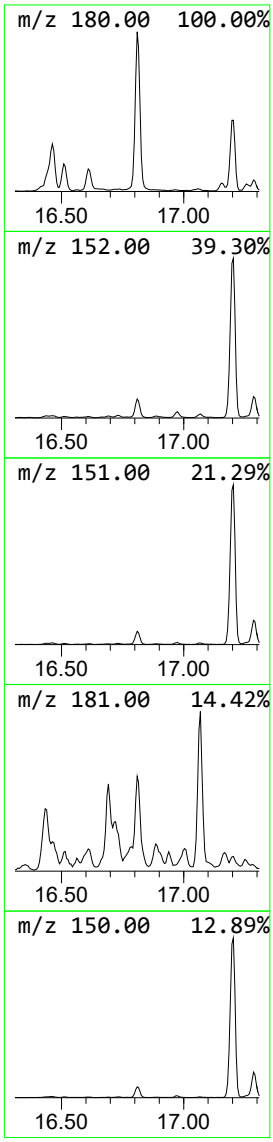
****

Peak Number 4 9H-Fluoren-9-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.809	5.07 ng	989667	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	1H-Phenalen-1-one	180	C13H8O	000548-39-0	86
3	Phenazine	180	C12H8N2	000092-82-0	47
4	1,1'-Biphenyl, 4-ethenyl-	180	C14H12	002350-89-2	42
5	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049966.D
Acq On : 18 Apr 2025 15:08
Operator : RC/JU
Sample : Q1832-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

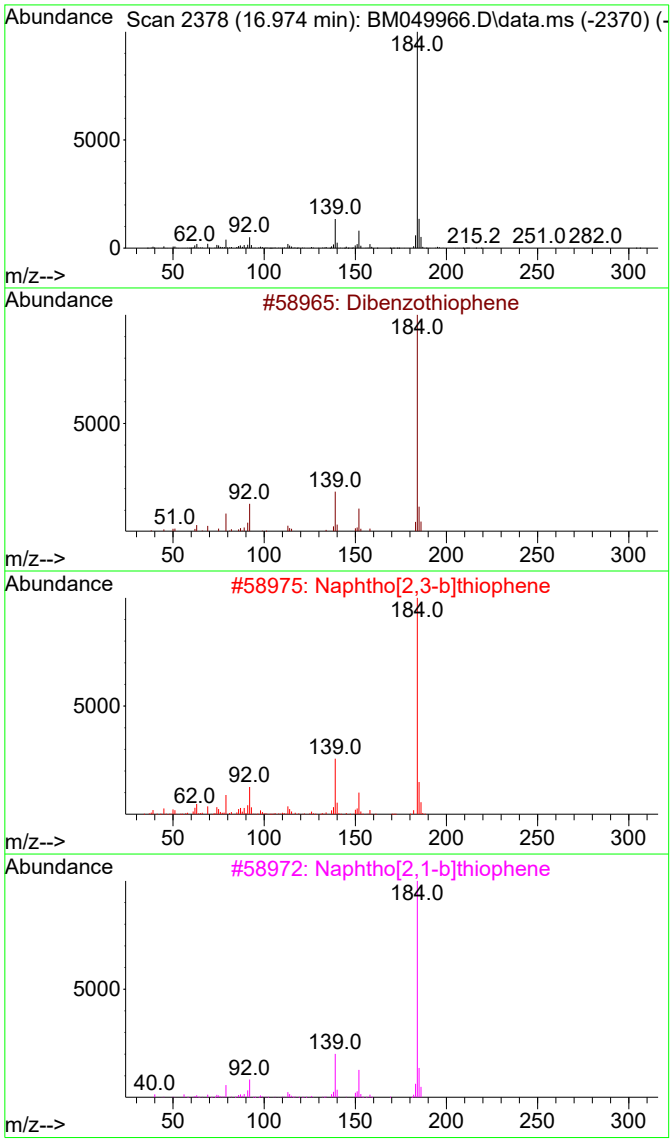
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

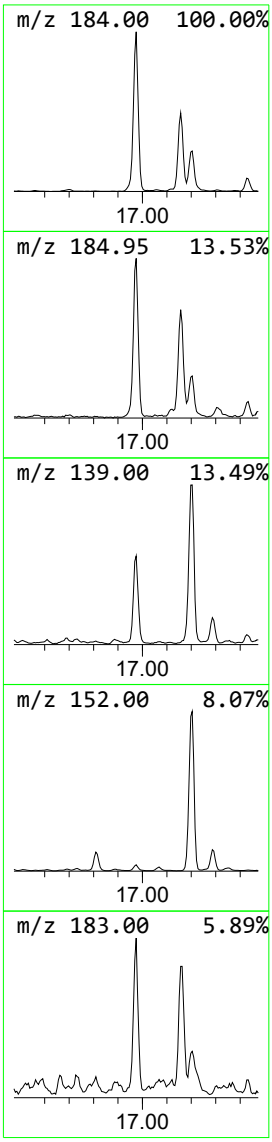
****

Peak Number 5 Dibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.974	5.89 ng	1149100	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049966.D
Acq On : 18 Apr 2025 15:08
Operator : RC/JU
Sample : Q1832-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.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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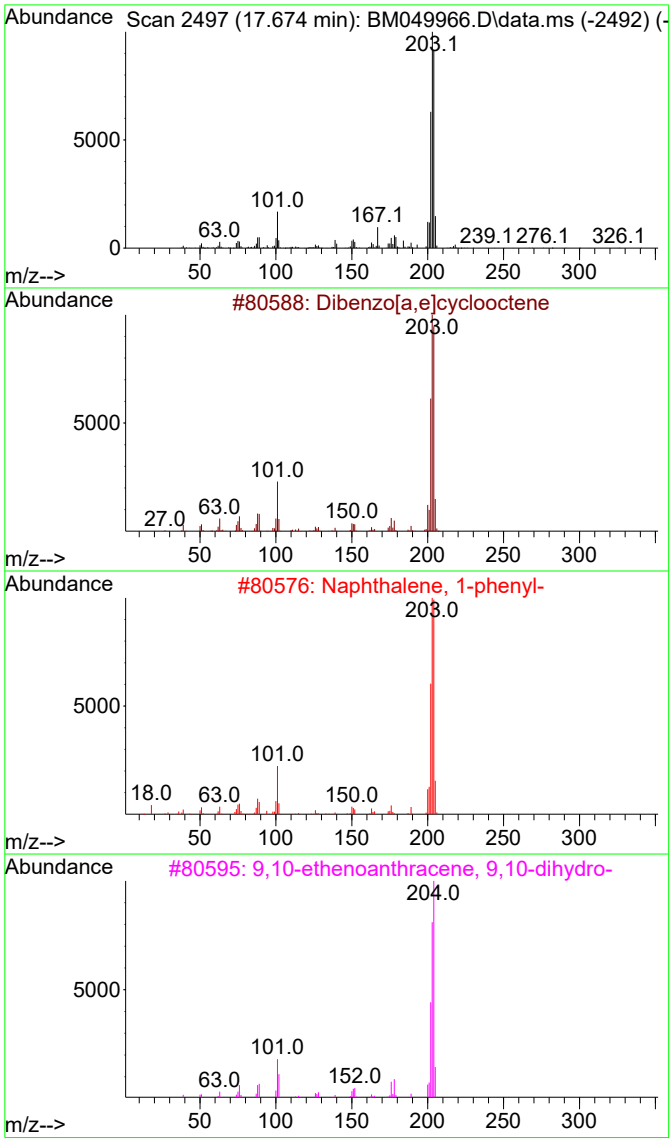
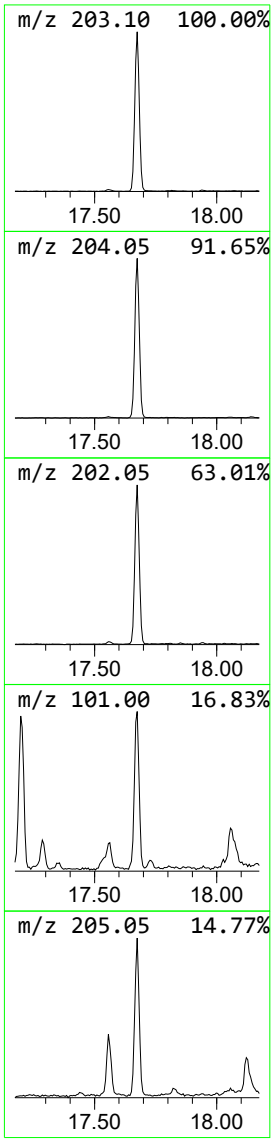
Peak Number 6 Dibenzo[a,e]cyclooctene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.674	4.42 ng	862446	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	96
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	94
3	9,10-ethenoanthracene, 9,10-dihy...	204	C16H12	1000400-47-8	89
4	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	70
5	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	70





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Acq On : 18 Apr 2025 15:08
Operator : RC/JU
Sample : Q1832-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PL-714-COMP-01

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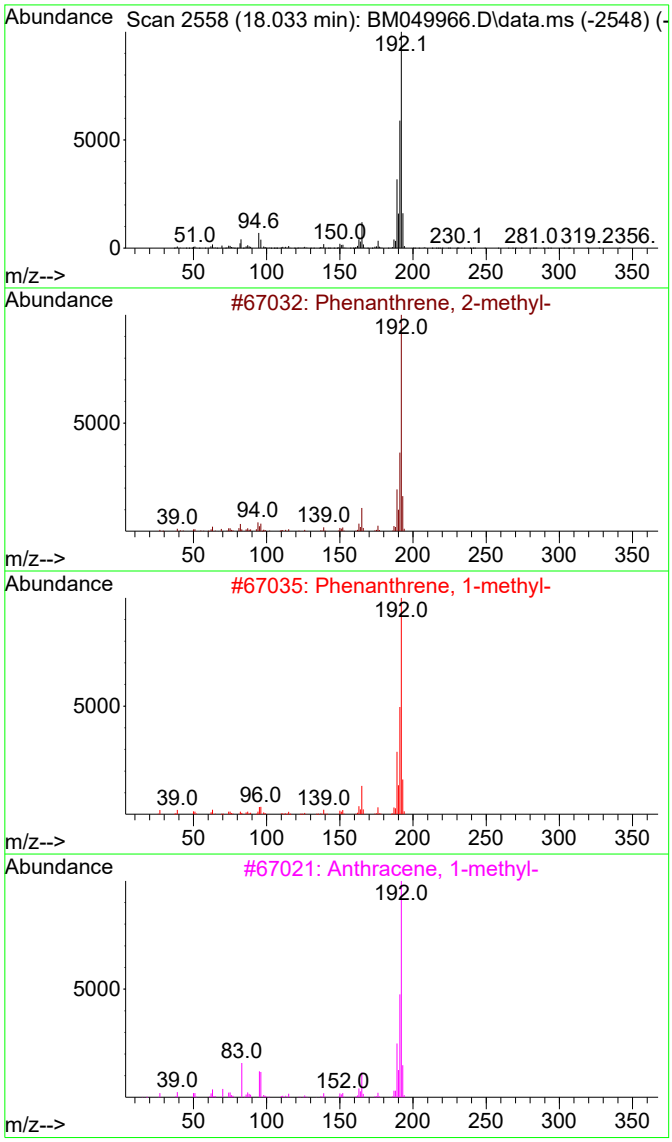
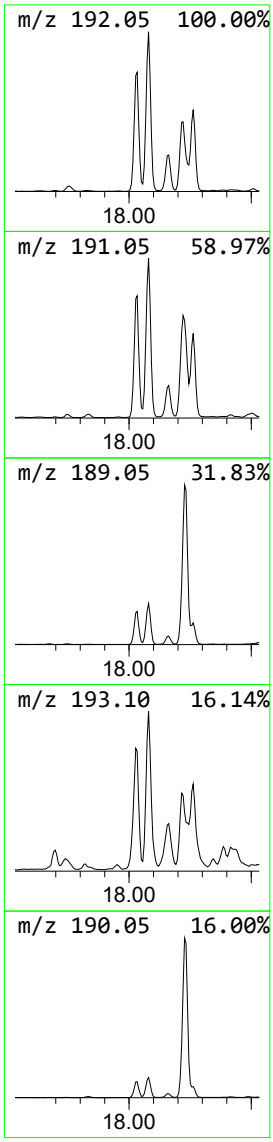
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.033	16.79 ng	3278260	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





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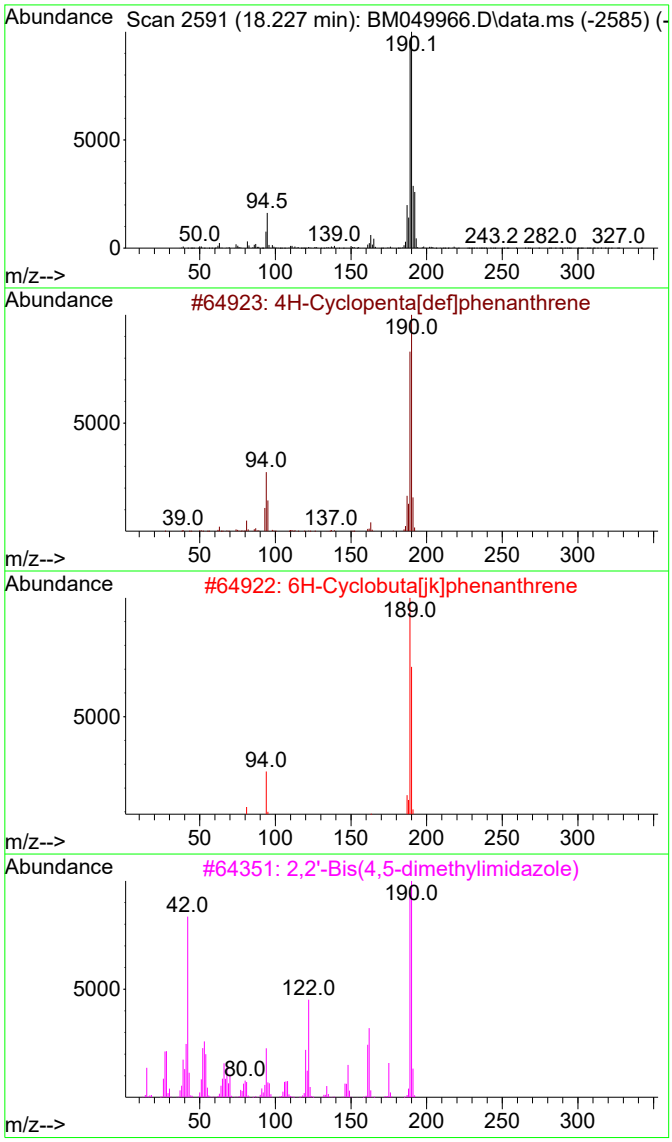
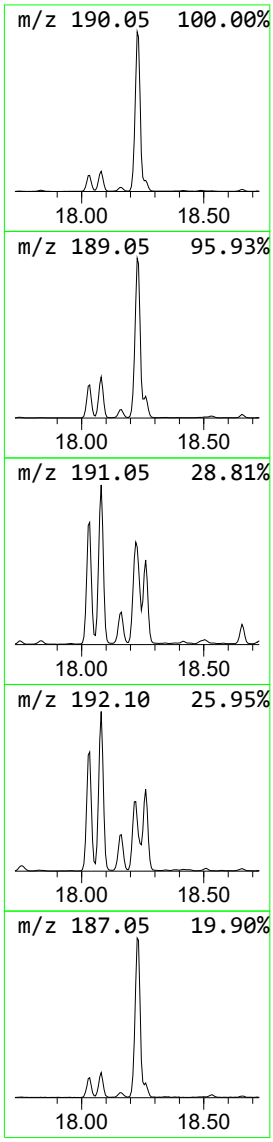
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.227	35.28 ng	6887430	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
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	38
5	Methyl diselenide	190	C2H6Se2	007101-31-7	27





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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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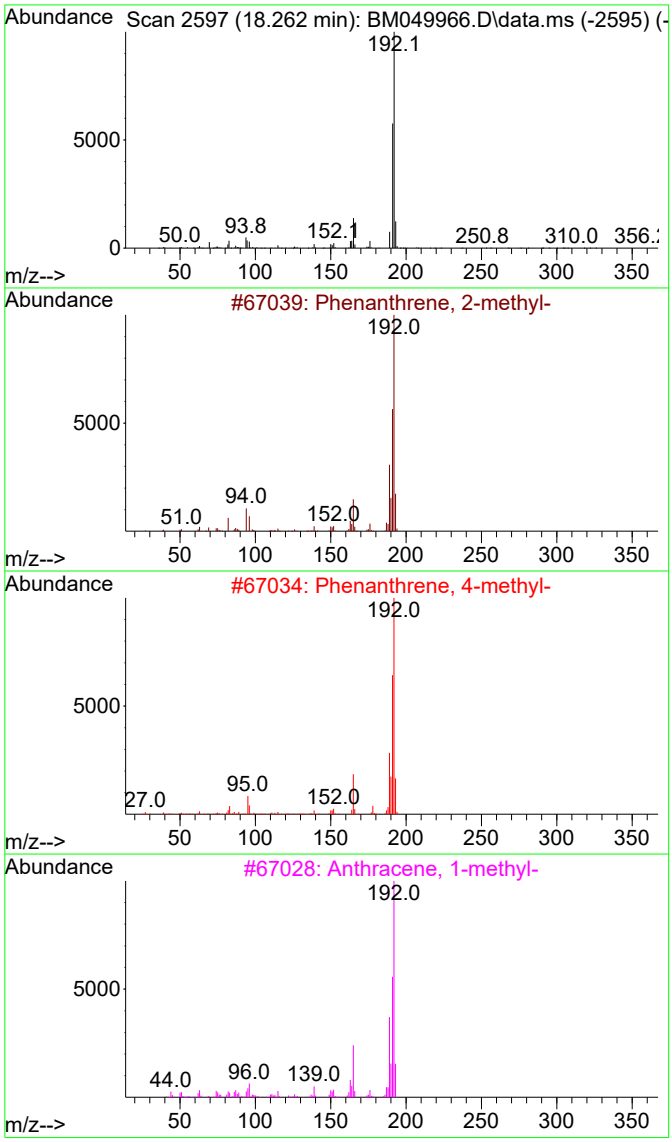
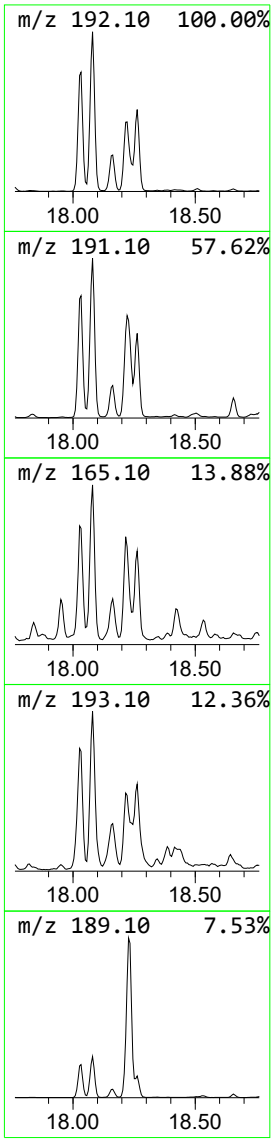
Peak Number 9 Phenanthrene, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.262	8.16 ng	1592640	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	86





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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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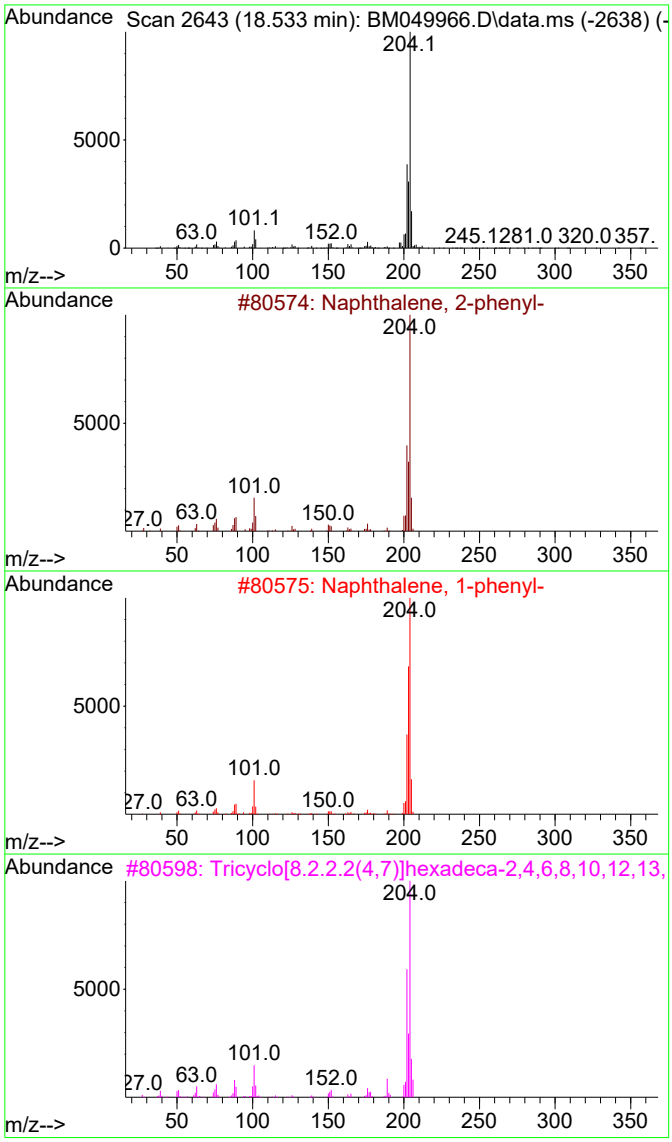
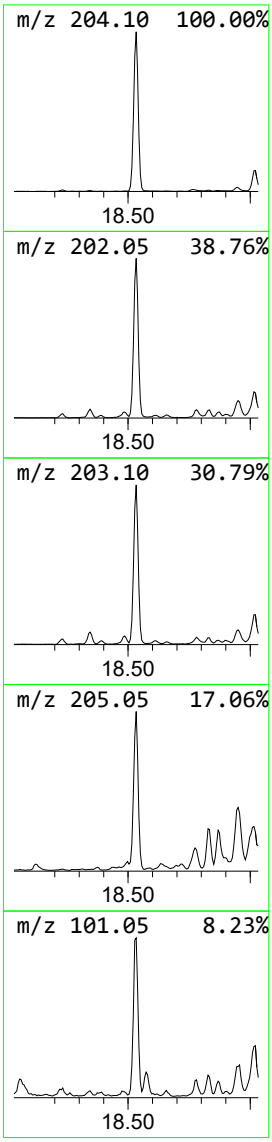
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.533	13.23 ng	2583220	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	53
4	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	49
5	9,10-ethenoanthracene, 9,10-dihy...	204	C16H12	1000400-47-8	47





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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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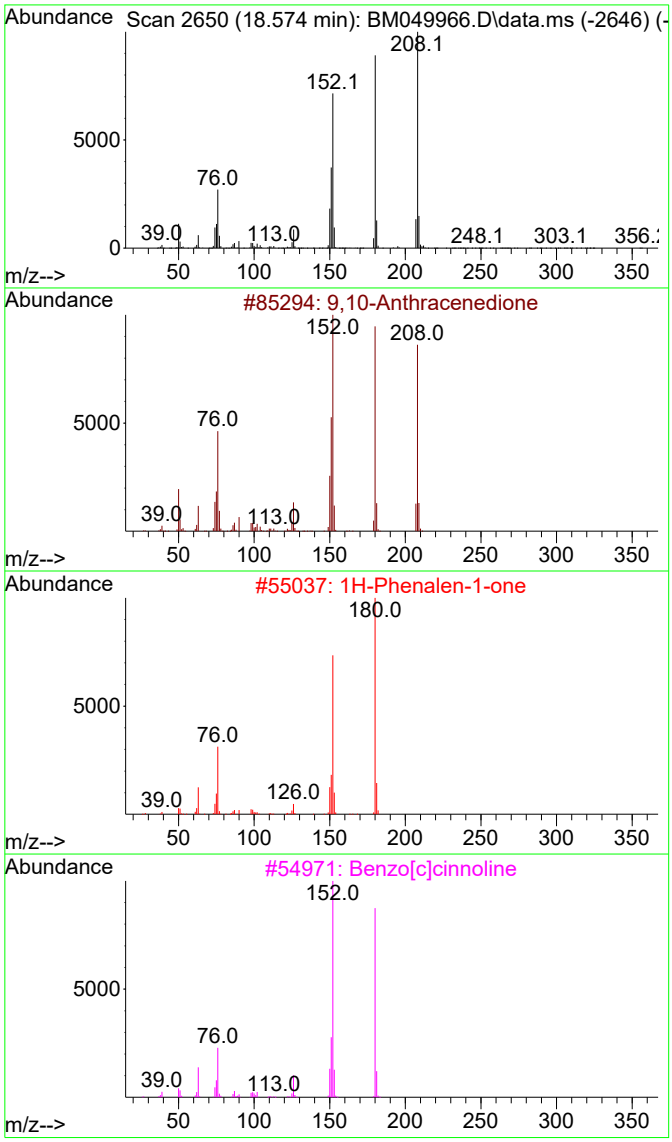
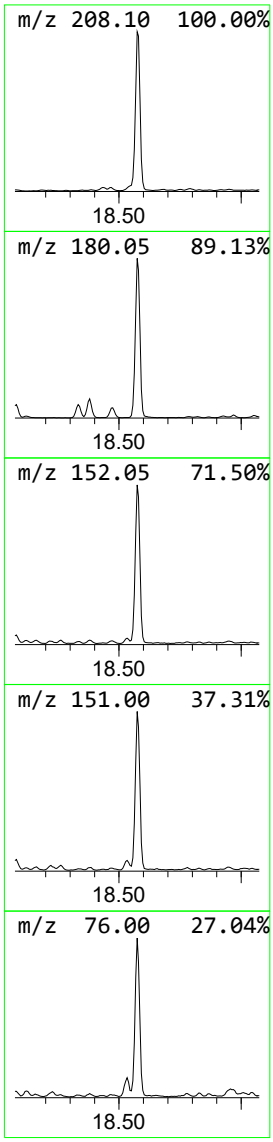
Peak Number 11 9,10-Anthracenedione Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.574	22.21 ng	4335430	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	1H-Phenalen-1-one	180	C13H8O	000548-39-0	78
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	49
5	5,6-Dimethyl-1,10-phenanthroline	208	C14H12N2	003002-81-1	43





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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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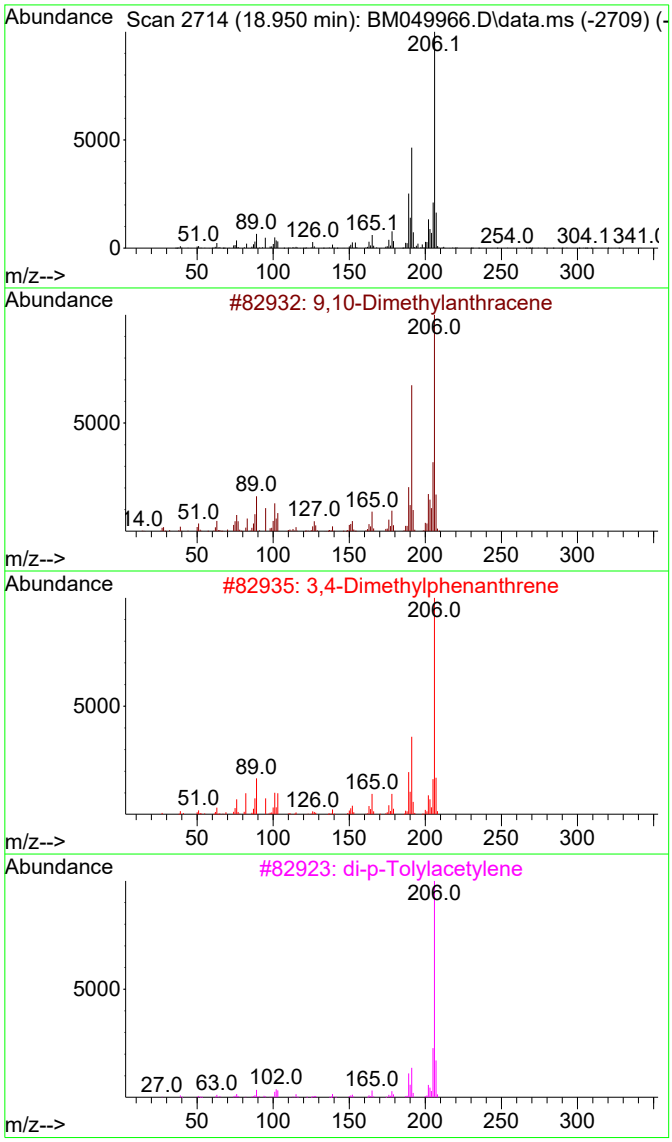
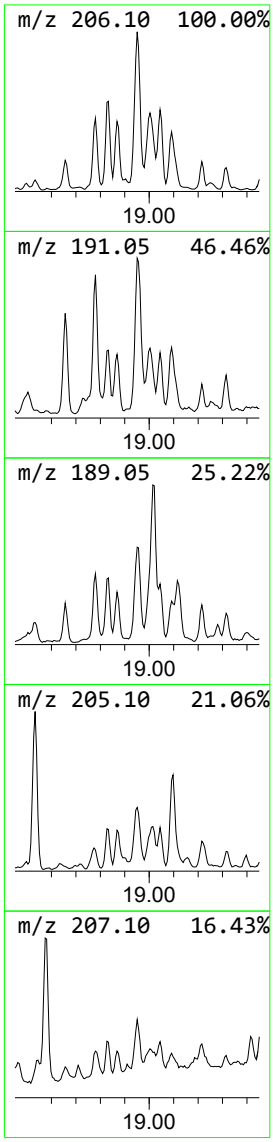
Peak Number 12 9,10-Dimethylanthracene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.951	7.62 ng	1486840	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
2	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	90
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	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
TIC Integration Parameters: LSCINT.P

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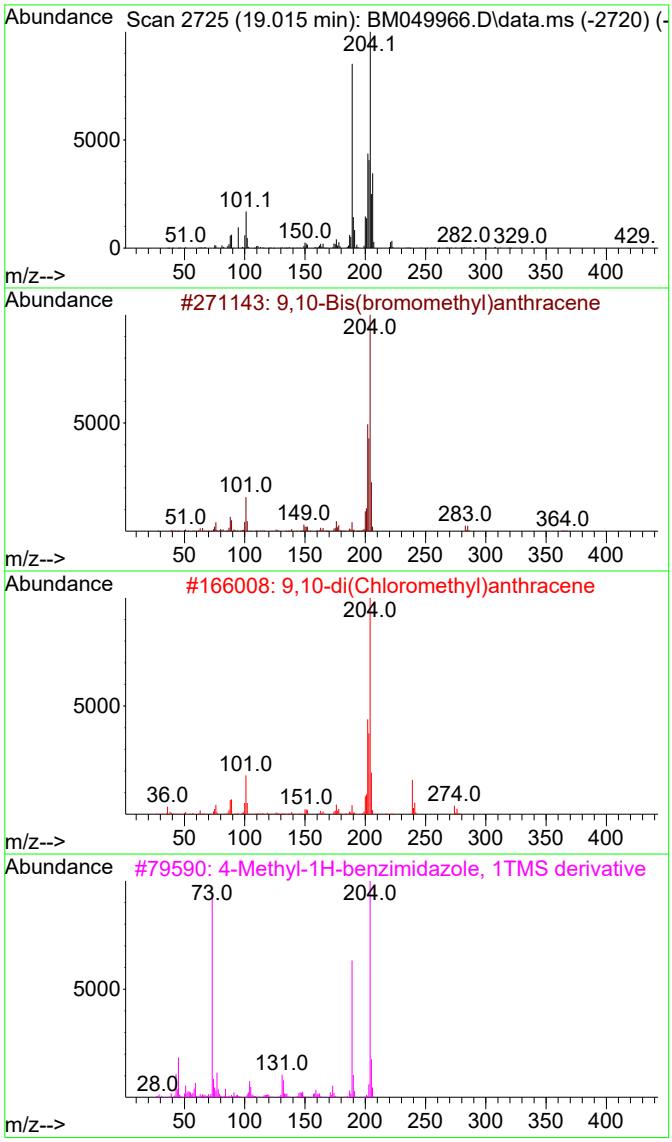
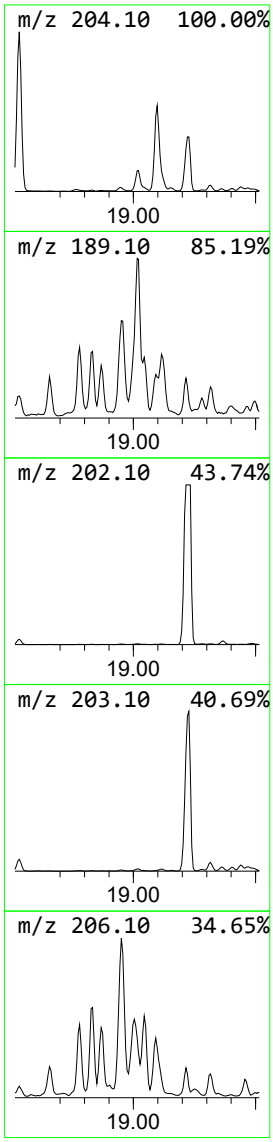
Peak Number 13 9,10-Bis(bromomethyl)anthra... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.015	4.96 ng	967891	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
2	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	52
3	4-Methyl-1H-benzimidazole, 1TMS ...	204	C11H16N2Si	1000486-24-6	50
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	49
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	46





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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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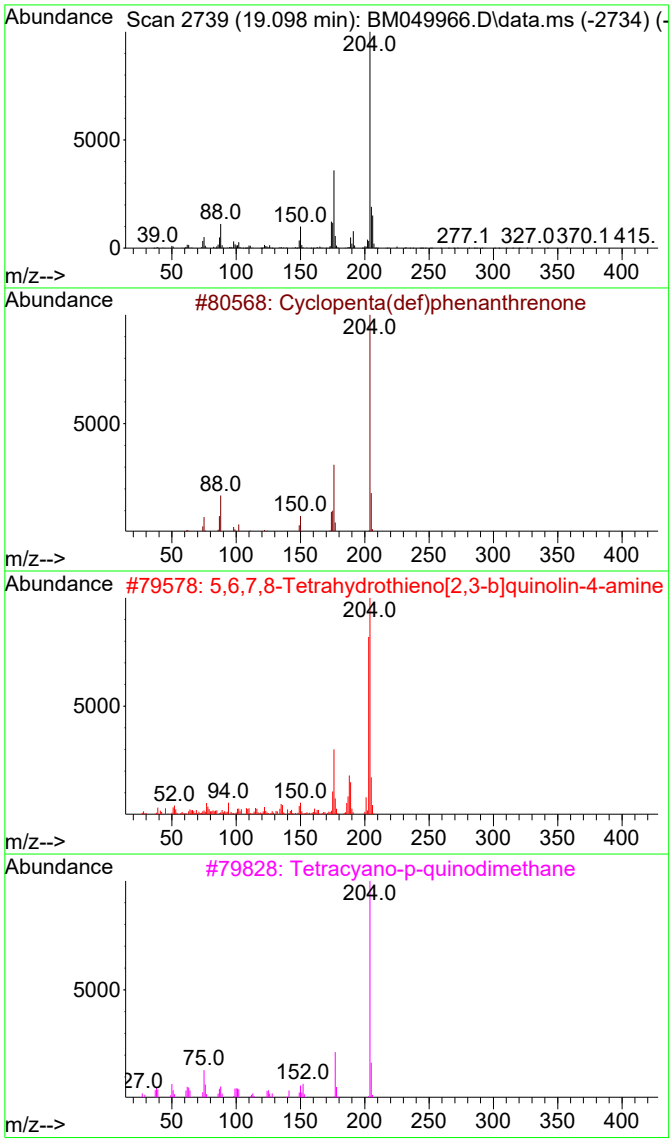
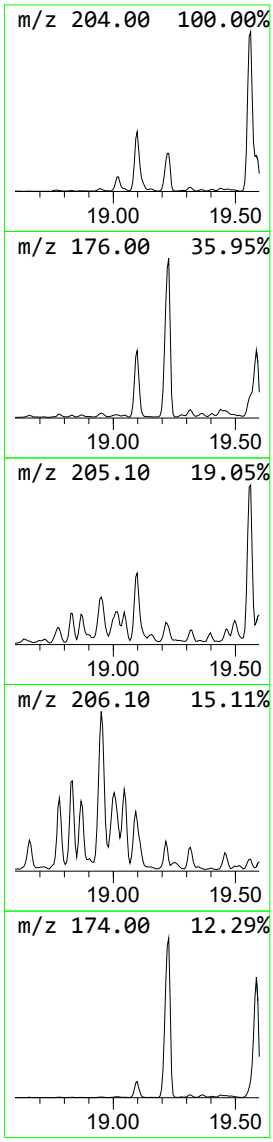
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.098	10.28 ng	2007200	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	64
3	Tetracyano-p-quinodimethane	204	C12H4N4	001518-16-7	53
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	52
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	50





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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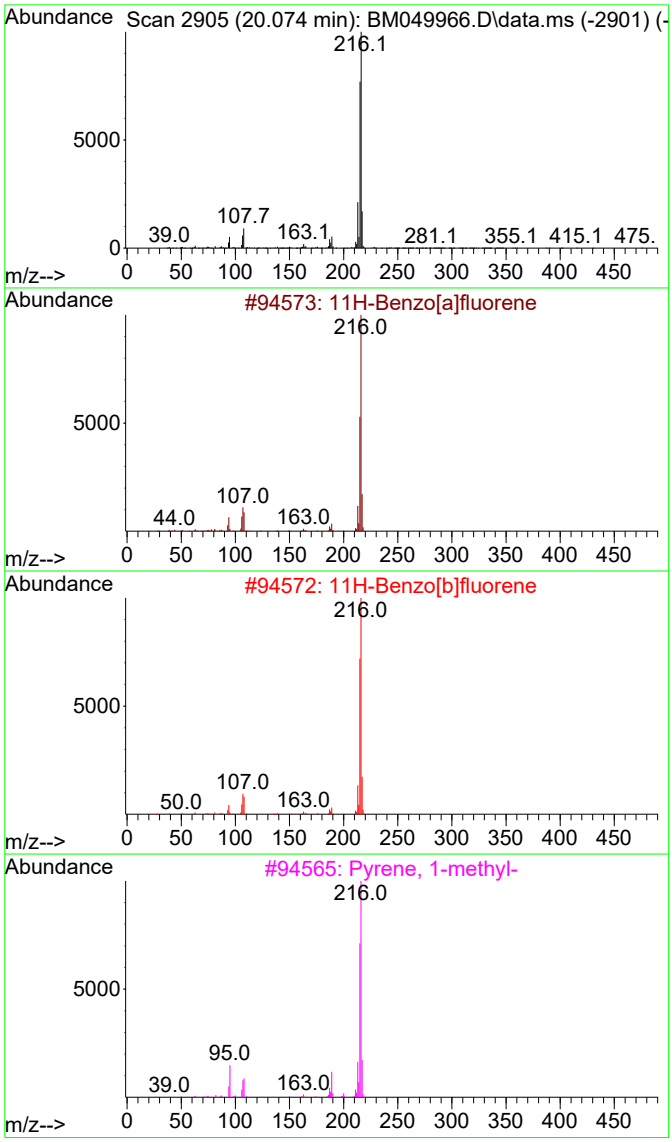
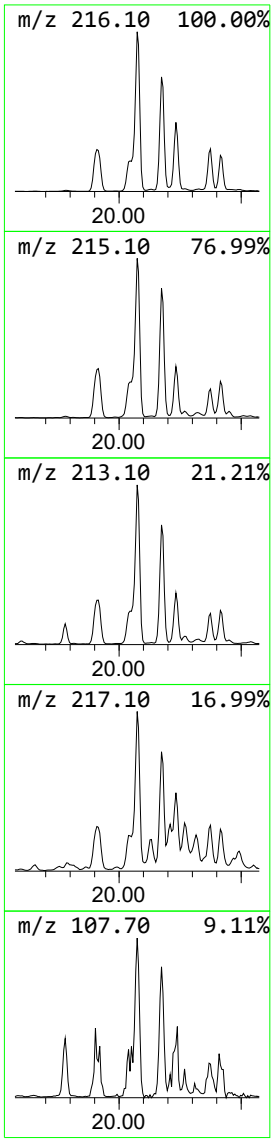
Peak Number 15 11H-Benzo[a]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.074	4.12 ng	7353770	Chrysene-d12	21.397

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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

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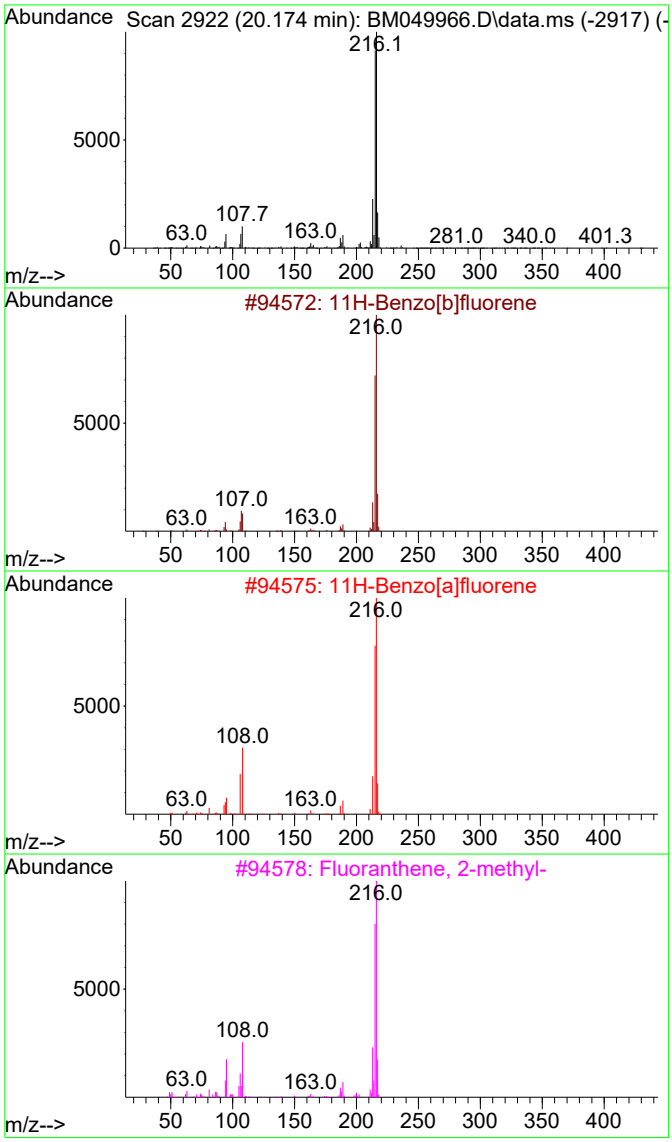
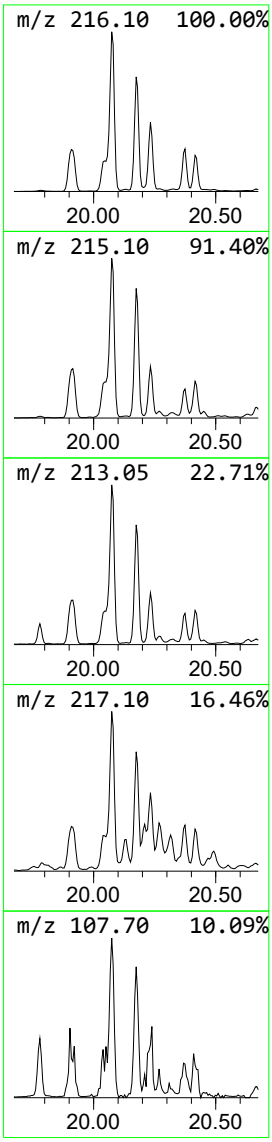
Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.174	3.00 ng	5342880	Chrysene-d12	21.397

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	Benzoic acid, 3-(3,5-dimethyl-1-...	216	C12H12N2O2	312531-88-7	59





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TIC Library : C:\Database\NIST20.L
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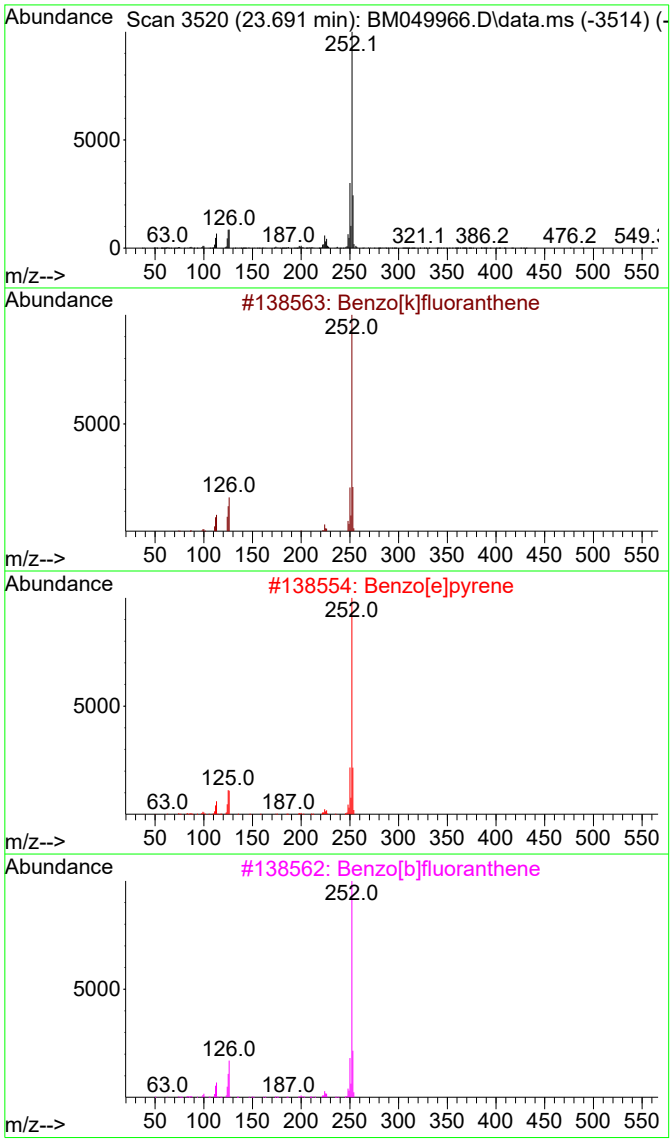
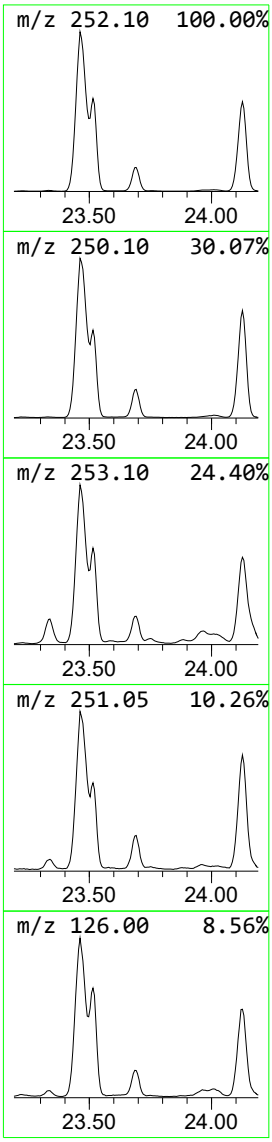
Peak Number 17 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.691	12.88 ng	3490580	Perylene-d12	24.397

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
2	Benzo[e]pyrene	252	C20H12	000192-97-2	96
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Perylene	252	C20H12	000198-55-0	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049966.D
Acq On : 18 Apr 2025 15:08
Operator : RC/JU
Sample : Q1832-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.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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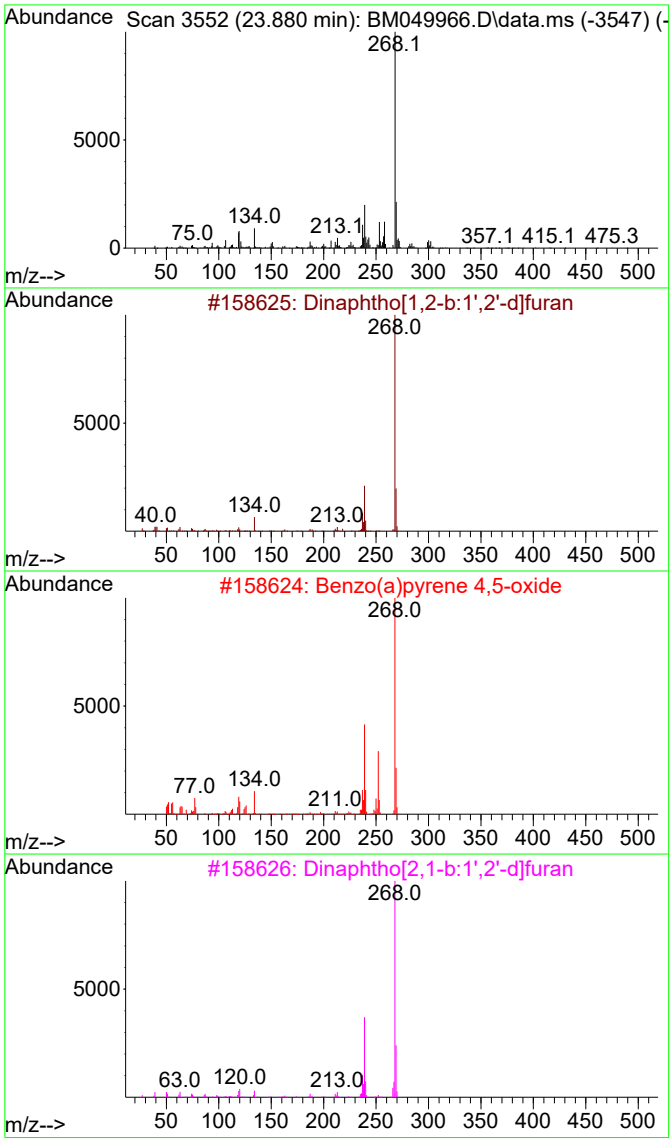
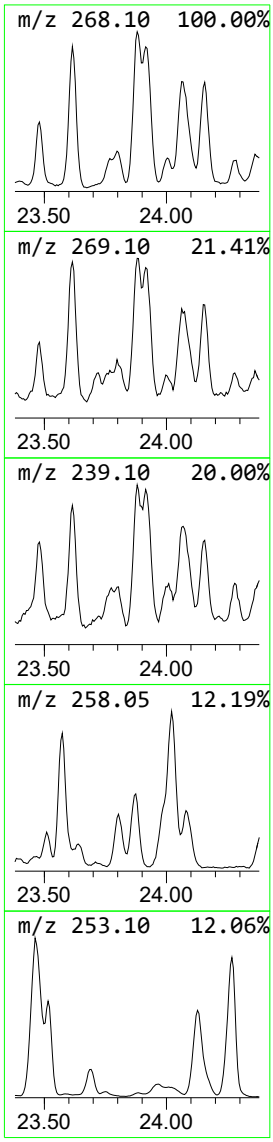
Peak Number 18 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.880	4.94 ng	1337160	Perylene-d12	24.397

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	93
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	80
3	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	74
4	Naphthalene, 1-(2-naphthalenylme...	268	C21H16	000611-48-3	59
5	4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049966.D
Acq On : 18 Apr 2025 15:08
Operator : RC/JU
Sample : Q1832-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.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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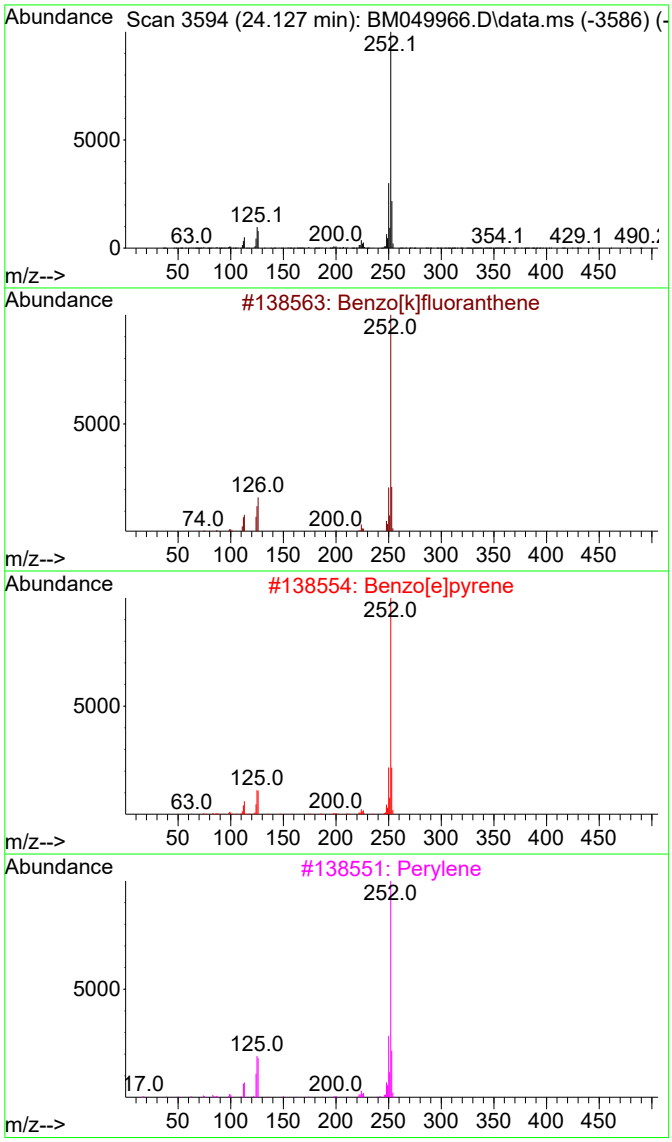
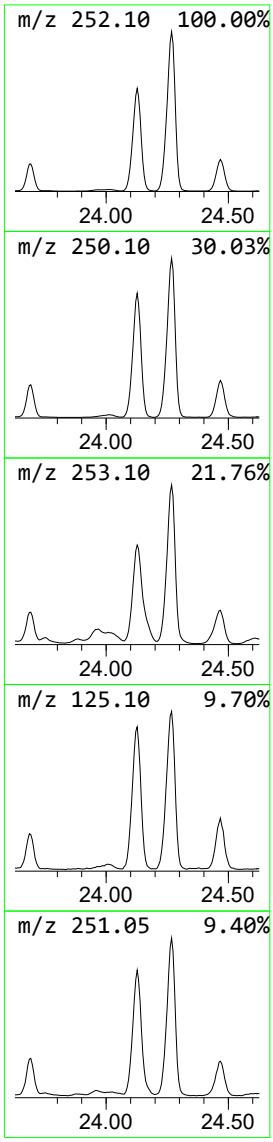
Peak Number 19 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.127	60.76 ng	16462400	Perylene-d12	24.397

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
2	Benzo[e]pyrene	252	C20H12	000192-97-2	96
3	Perylene	252	C20H12	000198-55-0	95
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049966.D
Acq On : 18 Apr 2025 15:08
Operator : RC/JU
Sample : Q1832-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.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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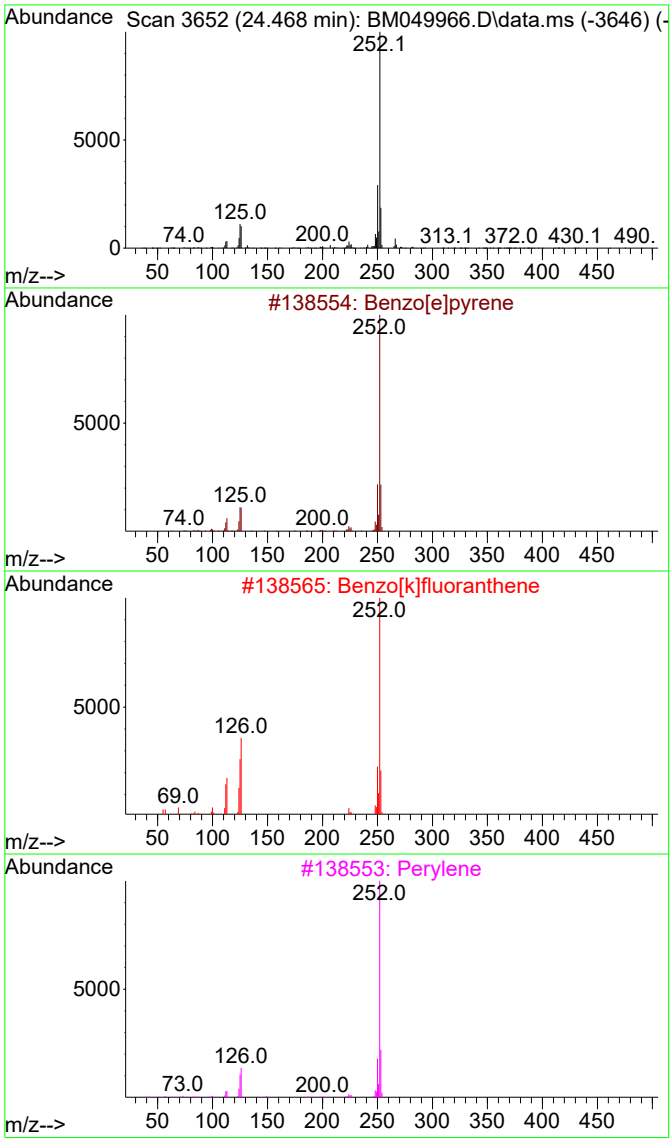
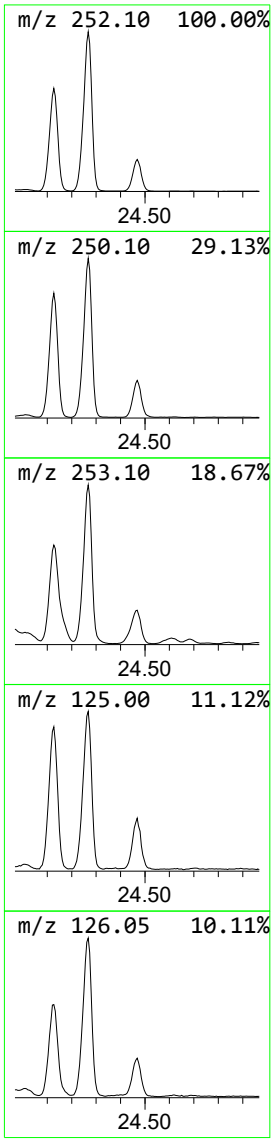
Peak Number 20 unknown24.468 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.468	22.69 ng	6147580	Perylene-d12	24.397

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	Perylene	252	C20H12	000198-55-0	90
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	89
5	Benzo[a]pyrene	252	C20H12	000050-32-8	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049966.D
Acq On : 18 Apr 2025 15:08
Operator : RC/JU
Sample : Q1832-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.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-...	4.887	9.2	ng	1230760	1	7.769	2681700	20.0
Benzophenone	15.768	11.6	ng	2214510	3	14.410	3828920	20.0
9H-Fluorene, 1-...	16.462	4.5	ng	870236	4	17.157	3903990	20.0
9H-Fluoren-9-one	16.809	5.1	ng	989667	4	17.157	3903990	20.0
Dibenzothiophene	16.974	5.9	ng	1149100	4	17.157	3903990	20.0
Dibenzo[a,e]cyc...	17.674	4.4	ng	862446	4	17.157	3903990	20.0
Phenanthrene, 2...	18.033	16.8	ng	3278260	4	17.157	3903990	20.0
4H-Cyclopenta[d...	18.227	35.3	ng	6887430	4	17.157	3903990	20.0
Phenanthrene, 4...	18.262	8.2	ng	1592640	4	17.157	3903990	20.0
Naphthalene, 2-...	18.533	13.2	ng	2583220	4	17.157	3903990	20.0
9,10-Anthracene...	18.574	22.2	ng	4335430	4	17.157	3903990	20.0
9,10-Dimethylan...	18.951	7.6	ng	1486840	4	17.157	3903990	20.0
9,10-Bis(bromom...	19.015	5.0	ng	967891	4	17.157	3903990	20.0
Cyclopenta(def)...	19.098	10.3	ng	2007200	4	17.157	3903990	20.0
11H-Benzo[a]flu...	20.074	4.1	ng	7353770	5	21.397	35672300	20.0
11H-Benzo[b]flu...	20.174	3.0	ng	5342880	5	21.397	35672300	20.0
Benzo[e]pyrene	23.691	12.9	ng	3490580	6	24.397	5418680	20.0
Dinaphtho[1,2-b...	23.880	4.9	ng	1337160	6	24.397	5418680	20.0
Perylene	24.127	60.8	ng	16462400	6	24.397	5418680	20.0
unknown24.468	24.468	22.7	ng	6147580	6	24.397	5418680	20.0