LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111022\
Data File : BM037457.D
Acq On : 10 Nov 2022 18:34
Operator : CG/JU
Sample : N5378-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-16-20221028-5.0-6.0

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-BM102822.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM037457.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.387	385	391	407	rBV	1195570	1775754	4.00%	0.423%
2	6.998	659	665	680	rVB	1130106	1888785	4.25%	0.450%
3	7.810	798	803	810	rVB	959751	1418856	3.19%	0.338%
4	8.981	995	1002	1007	rBV	752008	1250024	2.81%	0.298%
5	10.610	1273	1279	1283	rBV	1190298	1928495	4.34%	0.460%
6	10.657	1283	1287	1294	rVB	2181857	3570418	8.04%	0.851%
7	12.269	1556	1561	1568	rVB	839761	1316348	2.96%	0.314%
8	12.492	1592	1599	1608	rVB	619022	988293	2.22%	0.236%
9	13.074	1692	1698	1707	rVB	2003992	2769173	6.23%	0.660%
10	13.769	1810	1816	1821	rBV	371217	683628	1.54%	0.163%
11	13.822	1821	1825	1835	rVB2	309433	580257	1.31%	0.138%
12	14.451	1921	1932	1937	rBV	1826422	2930407	6.60%	0.698%
13	14.516	1937	1943	1950	rVB	4953144	7036944	15.84%	1.677%
14	14.757	1976	1984	1989	rBV2	266659	465131	1.05%	0.111%
15	14.845	1993	1999	2008	rVV	2160831	3146950	7.08%	0.750%
16	15.057	2025	2035	2042	rBV3	163574	531357	1.20%	0.127%
17	15.498	2104	2110	2121	rBV	4343424	5912309	13.31%	1.409%
18	15.657	2134	2137	2141	rVB2	456355	569550	1.28%	0.136%
19	15.786	2155	2159	2167	rVB	536833	813941	1.83%	0.194%
20	15.939	2176	2185	2192	rBV	1713350	2725138	6.13%	0.649%
21	16.168	2218	2224	2236	rVB2	277969	568789	1.28%	0.136%
22	16.498	2270	2280	2285	rBV2	476998	952572	2.14%	0.227%
23	16.939	2348	2355	2360	rBV4	239403	627848	1.41%	0.150%
24	17.010	2361	2367	2376	rVB	1232091	1983330	4.46%	0.473%
25	17.198	2393	2399	2401	rBV	2074438	2983436	6.72%	0.711%
26	17.245	2401	2407	2412	rVV	24374278	34839087	78.43%	8.302%
27	17.333	2412	2422	2427	rVV	7906672	11350120	25.55%	2.705%
28	17.392	2427	2432	2437	rVB	529675	802875	1.81%	0.191%
29	17.604	2460	2468	2478	rBV	2552062	3858075	8.69%	0.919%
30	17.709	2483	2486	2492	rVV4	369702	592849	1.33%	0.141%
31	17.768	2493	2496	2505	rVB5	260728	530849	1.20%	0.127%
32	17.857	2507	2511	2516	rVV2	349942	515836	1.16%	0.123%
33	18.068	2542	2547	2551	rBV	1687270	2511493	5.65%	0.599%
34	18.115	2551	2555	2560	rVB	2510770	3470915	7.81%	0.827%
35	18.198	2565	2569	2574	rVB	1135160	1464112	3.30%	0.349%
36	18.268	2575	2581	2585	rBV2	4855432	7467512	16.81%	1.780%

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111022\
Data File : BM037457.D
Acq On : 10 Nov 2022 18:34
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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-16-20221028-5.0-6.0

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-BM102822.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.298	2585	2586	2594	rVB	1071805	1108348	2.50%	0.264%
38	18.568	2628	2632	2637	rVB	1502144	1958363	4.41%	0.467%
39	18.809	2669	2673	2679	rBV3	619994	939174	2.11%	0.224%
40	19.004	2699	2706	2709	rBV2	779718	1789665	4.03%	0.426%
41	19.039	2709	2712	2718	rVB3	575465	1138661	2.56%	0.271%
42	19.262	2743	2750	2754	rBV	26892101	41132983	92.60%	9.802%
43	19.304	2754	2757	2762	rVB2	1112733	1433161	3.23%	0.342%
44	19.356	2762	2766	2770	rBV	534642	887548	2.00%	0.212%
45	19.498	2785	2790	2793	rBV2	750494	1128471	2.54%	0.269%
46	19.627	2800	2812	2819	rBV2	23318130	44421658	100.00%	10.586%
47	19.686	2819	2822	2829	rVB3	1080406	1579017	3.55%	0.376%
48	19.815	2841	2844	2848	rVB	2998459	3735035	8.41%	0.890%
49	19.862	2848	2852	2858	rVB	1107687	1443150	3.25%	0.344%
50	19.933	2859	2864	2866	rBV2	1250898	2070915	4.66%	0.494%
51	19.998	2872	2875	2883	rBV	758432	1056301	2.38%	0.252%
52	20.074	2883	2888	2890	rBV3	1081078	1883098	4.24%	0.449%
53	20.109	2890	2894	2899	rVB	4706779	6643263	14.96%	1.583%
54	20.209	2907	2911	2915	rBV	5317612	6514339	14.66%	1.552%
55	20.268	2915	2921	2924	rVV2	1851129	3134215	7.06%	0.747%
56	20.303	2924	2927	2931	rVB	1217770	1442351	3.25%	0.344%
57	20.409	2941	2945	2948	rBV	889108	1183313	2.66%	0.282%
58	20.450	2949	2952	2956	rVV2	985414	1346265	3.03%	0.321%
59	20.515	2959	2963	2966	rVV	1551953	1716617	3.86%	0.409%
60	20.815	3011	3014	3019	rBV	605418	977937	2.20%	0.233%
61	21.021	3046	3049	3052	rBV	1739740	2303387	5.19%	0.549%
62	21.062	3052	3056	3059	rVV	2549858	3541020	7.97%	0.844%
63	21.098	3059	3062	3068	rVB2	2159003	4044595	9.11%	0.964%
64	21.286	3090	3094	3098	rVB	5148669	5278756	11.88%	1.258%
65	21.368	3100	3108	3113	rVV3	17443906	30678256	69.06%	7.311%
66	21.421	3113	3117	3125	rVB	13417584	18131667	40.82%	4.321%
67	21.533	3132	3136	3143	rBV	3596638	5011305	11.28%	1.194%
68	21.703	3160	3165	3169	rVB2	1643407	2664933	6.00%	0.635%
69	21.880	3192	3195	3198	rBV	876164	1160898	2.61%	0.277%
70	22.097	3229	3232	3236	rVB2	1286873	1767489	3.98%	0.421%
71	22.144	3237	3240	3242	rVV	1270926	1582649	3.56%	0.377%
72	22.180	3243	3246	3251	rVB2	1988816	2633529	5.93%	0.628%
73	22.244	3253	3257	3267	rVB4	1190221	2445672	5.51%	0.583%
74	23.015	3381	3388	3392	rBV	9210608	21887603	49.27%	5.216%
75	23.186	3413	3417	3423	rVB	2540100	3862299	8.69%	0.920%
76	23.515	3467	3473	3483	rVB	5886399	12289932	27.67%	2.929%

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111022\
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Misc :
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Instrument :
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ClientSampleId :
SB-16-20221028-5.0-6.0

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-BM102822.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	23.621	3484	3491	3498	rVV	10469754	19541213	43.99%	4.657%
78	23.715	3503	3507	3511	rVV2	1829503	3640585	8.20%	0.868%
79	23.768	3512	3516	3525	rVB	2928291	5693622	12.82%	1.357%
80	26.144	3911	3920	3931	rVB2	4411447	13079103	29.44%	3.117%
81	26.891	4039	4047	4067	rVB	3245371	10900867	24.54%	2.598%

Sum of corrected areas: 419624684

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111022\
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Instrument :
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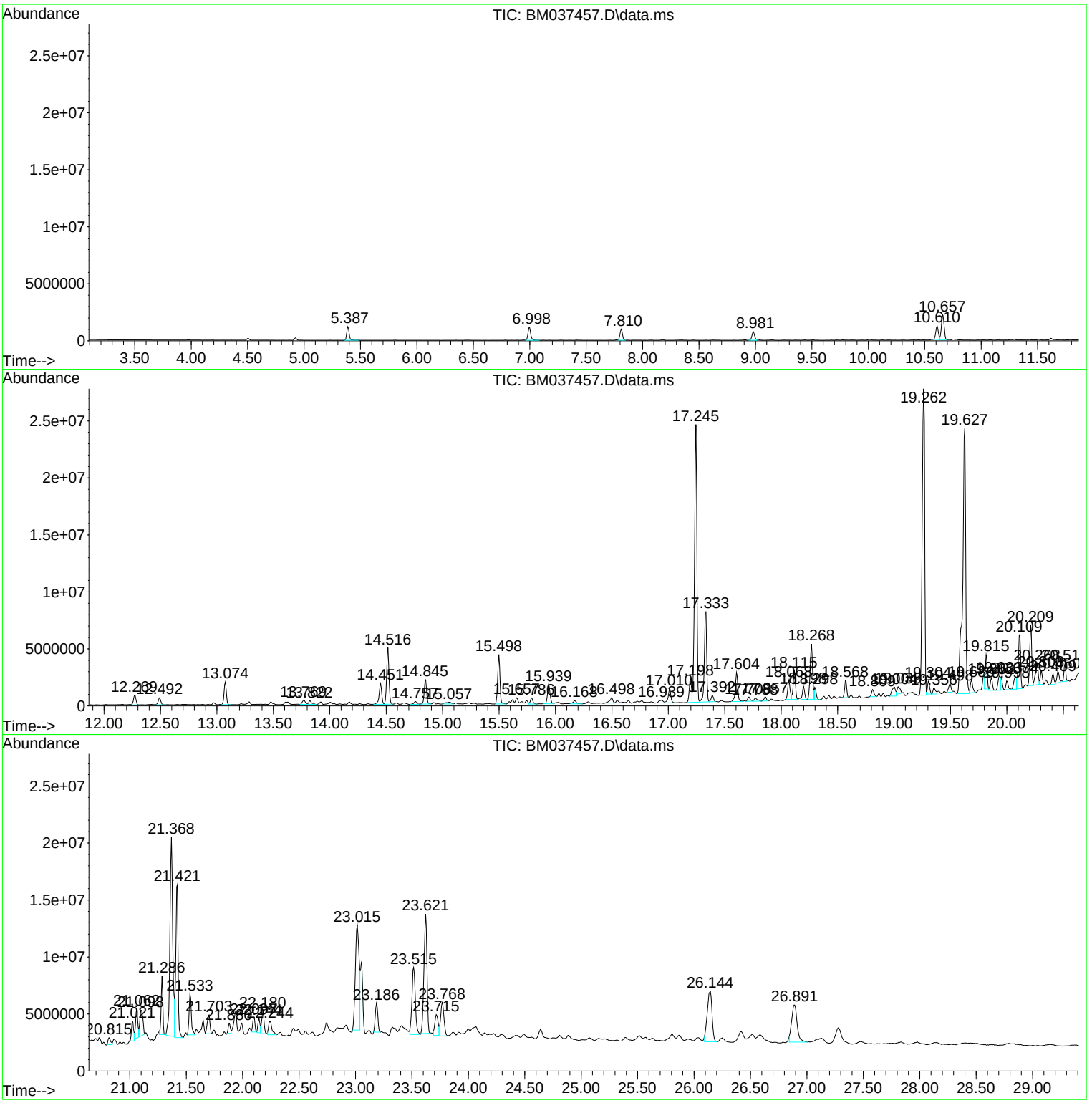
ClientSampleId :
SB-16-20221028-5.0-6.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102822.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\BM111022\
Data File : BM037457.D
Acq On : 10 Nov 2022 18:34
Operator : CG/JU
Sample : N5378-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-16-20221028-5.0-6.0

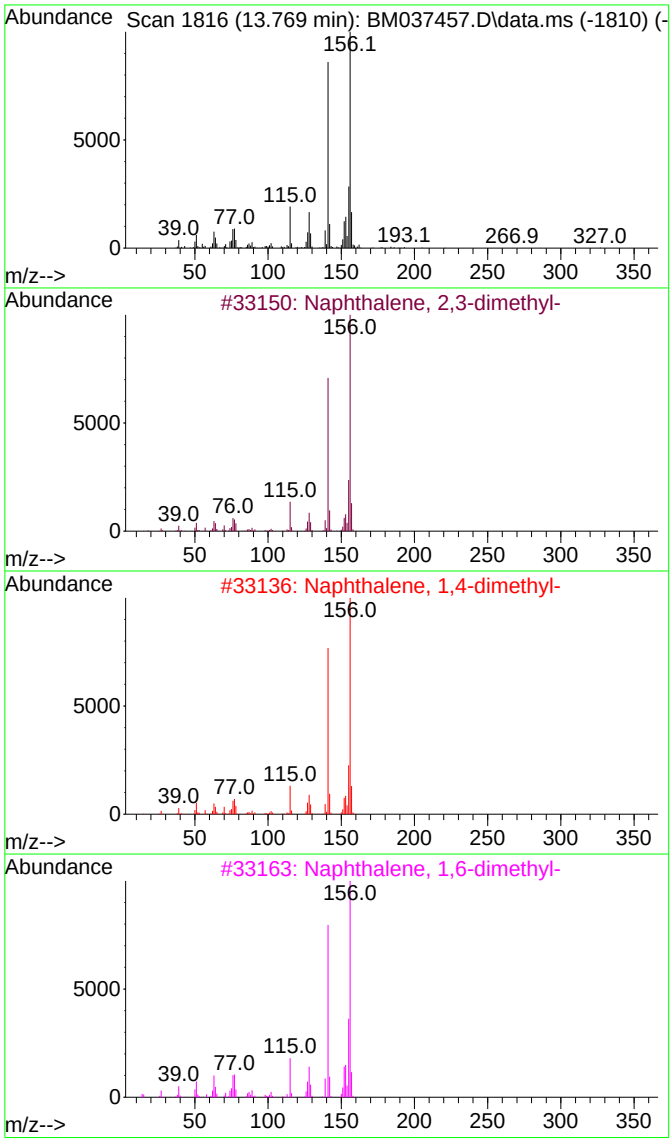
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

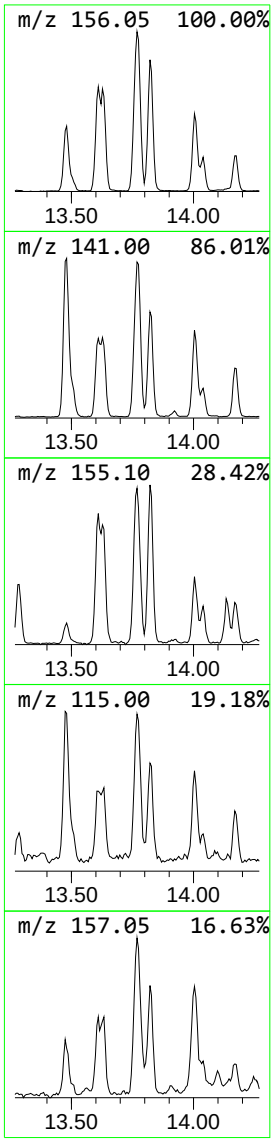
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Naphthalene, 2,3-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.769	4.67 ng	683628	Acenaphthene-d10	14.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111022\
Data File : BM037457.D
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ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-16-20221028-5.0-6.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

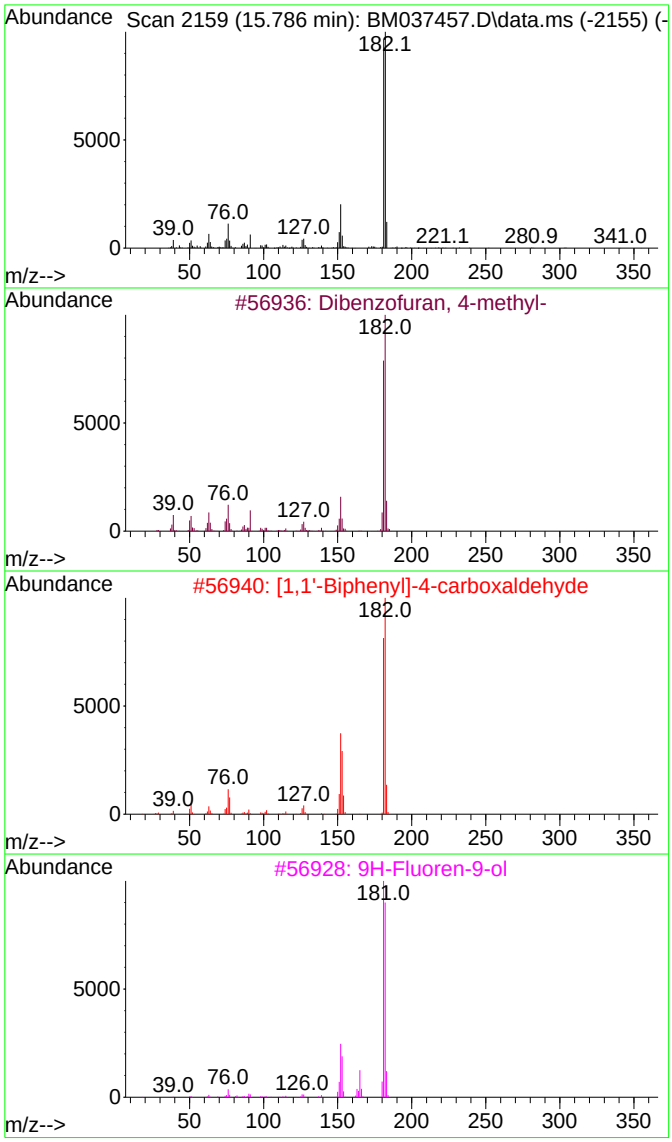
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

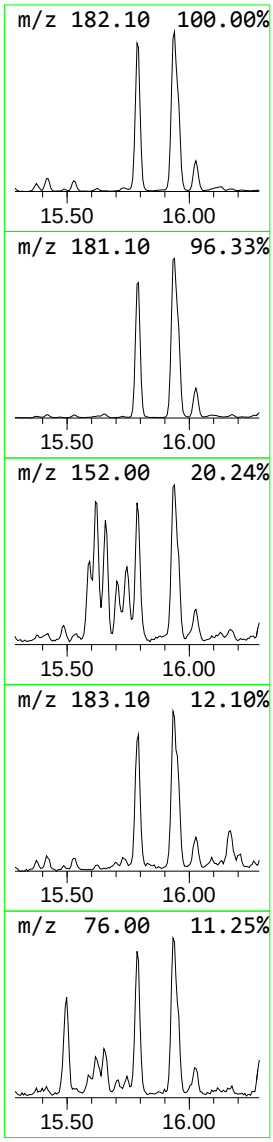
****

Peak Number 2 Dibenzofuran, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.786	5.56 ng	813941	Acenaphthene-d10	14.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	9H-Xanthene	182	C13H10O	000092-83-1	64
5	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111022\
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Instrument :
BNA_M
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SB-16-20221028-5.0-6.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

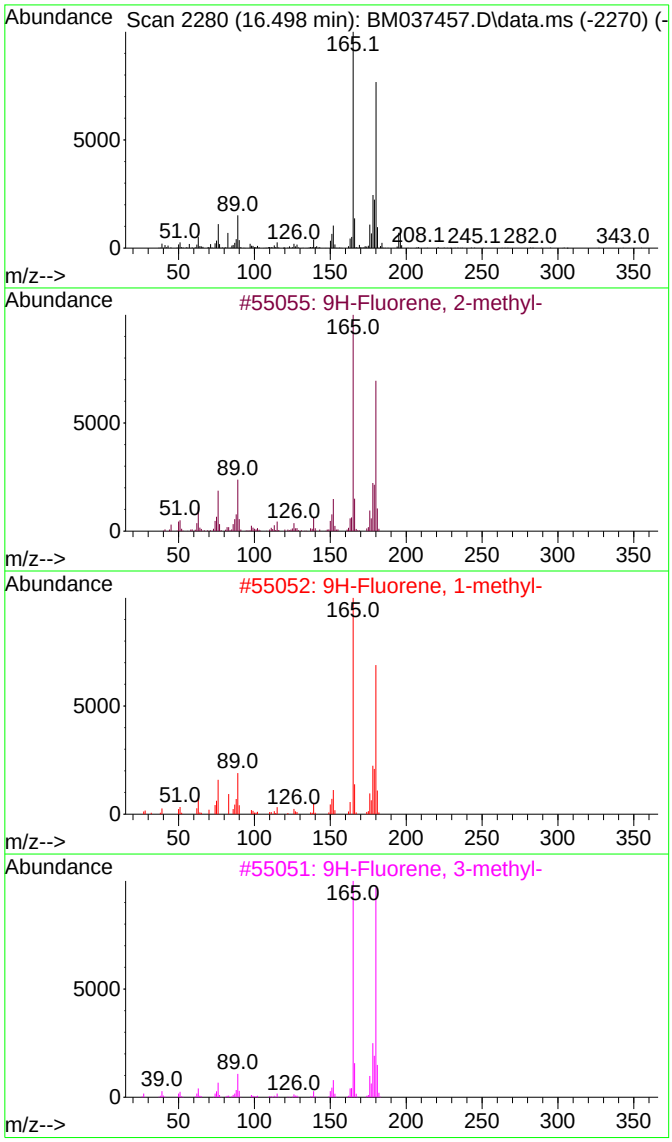
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

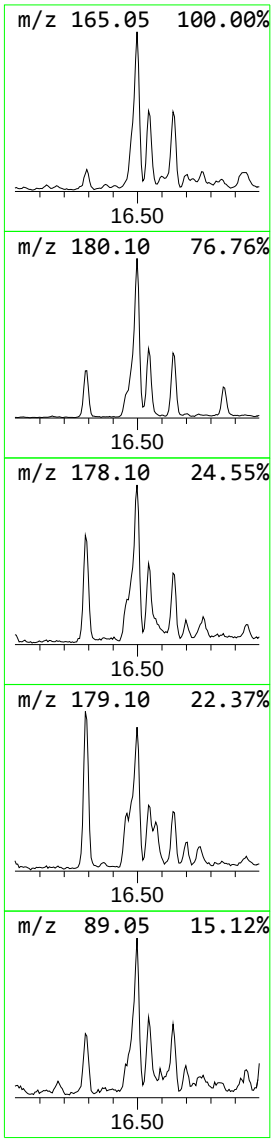
****

Peak Number 3 9H-Fluorene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.498	6.39 ng	952572	Phenanthrene-d10	17.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	90
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\BM111022\
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Operator : CG/JU
Sample : N5378-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-16-20221028-5.0-6.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102822.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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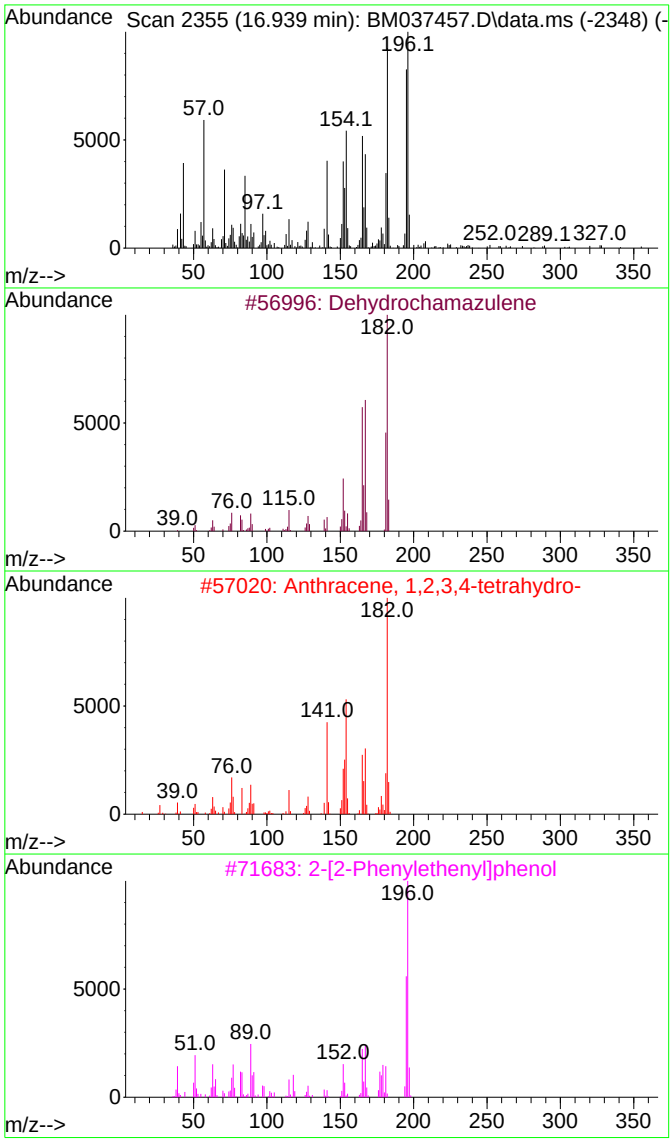
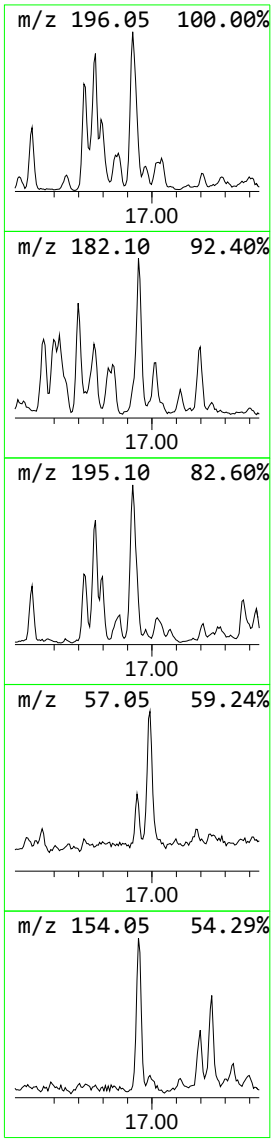
Peak Number 4 Dehydrochamazulene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.939	4.21 ng	627848	Phenanthrene-d10	17.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dehydrochamazulene	182	C14H14	321732-25-6	80
2	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	64
3	2-[2-Phenylethenyl]phenol	196	C14H12O	042224-48-6	53
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	47
5	3'-Methyl-[1,1'-biphenyl]-4-carb...	196	C14H12O	400744-83-4	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111022\
Data File : BM037457.D
Acq On : 10 Nov 2022 18:34
Operator : CG/JU
Sample : N5378-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-16-20221028-5.0-6.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102822.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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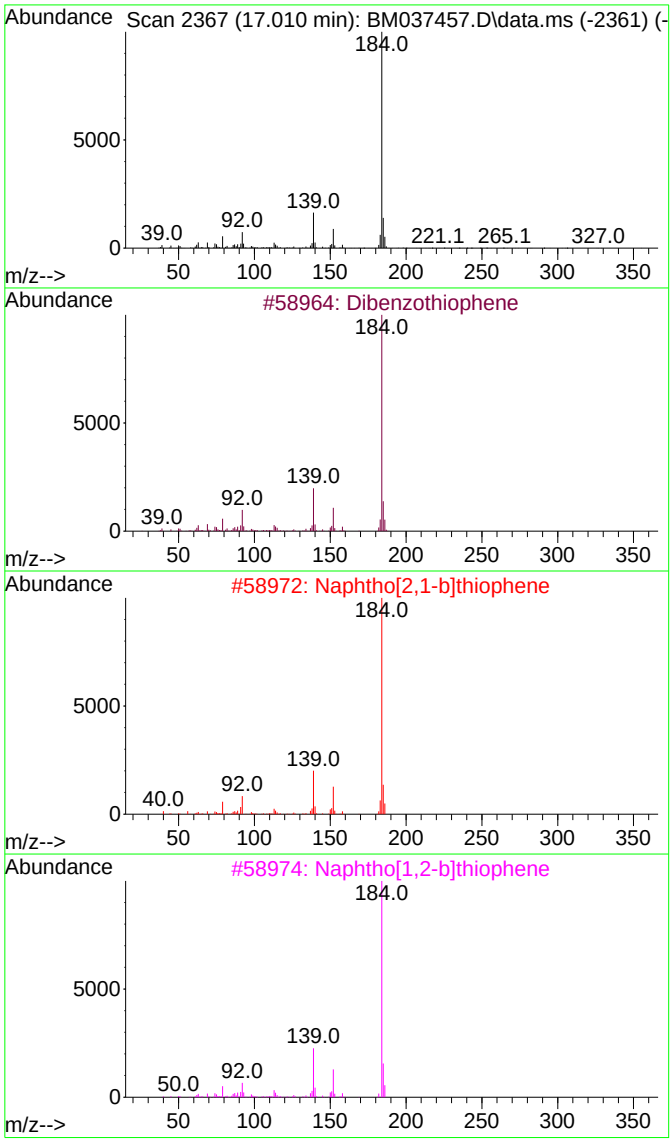
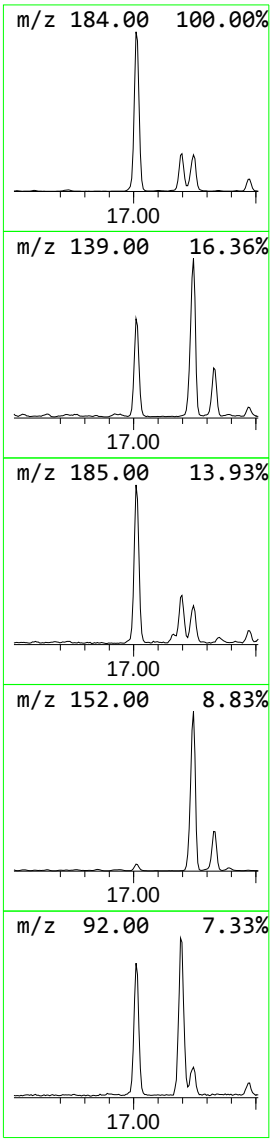
Peak Number 5 Dibenzothiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.009	13.30 ng	1983330	Phenanthrene-d10	17.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111022\
Data File : BM037457.D
Acq On : 10 Nov 2022 18:34
Operator : CG/JU
Sample : N5378-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-16-20221028-5.0-6.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102822.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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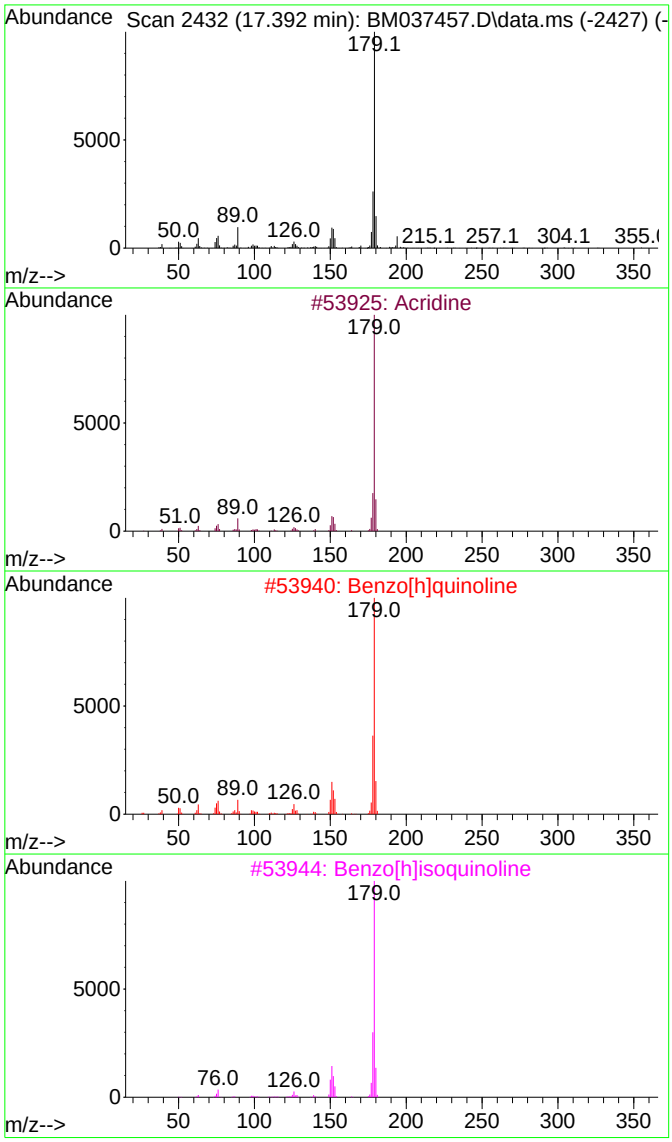
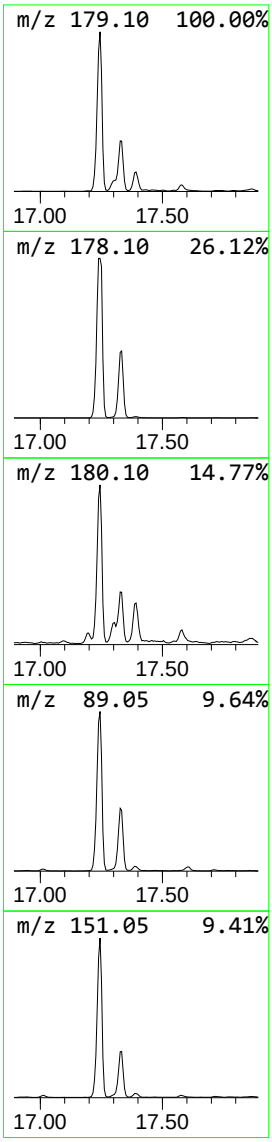
Peak Number 6 Acridine Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.392	5.38 ng	802875	Phenanthrene-d10	17.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	97
2	Benzo[h]quinoline	179	C13H9N	000230-27-3	94
3	Benzo[h]isoquinoline	179	C13H9N	000229-71-0	91
4	Phenanthridine	179	C13H9N	000229-87-8	90
5	9H-Fluorene, 9,9-dimethyl-	194	C15H14	004569-45-3	90





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Acq On : 10 Nov 2022 18:34
Operator : CG/JU
Sample : N5378-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-16-20221028-5.0-6.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

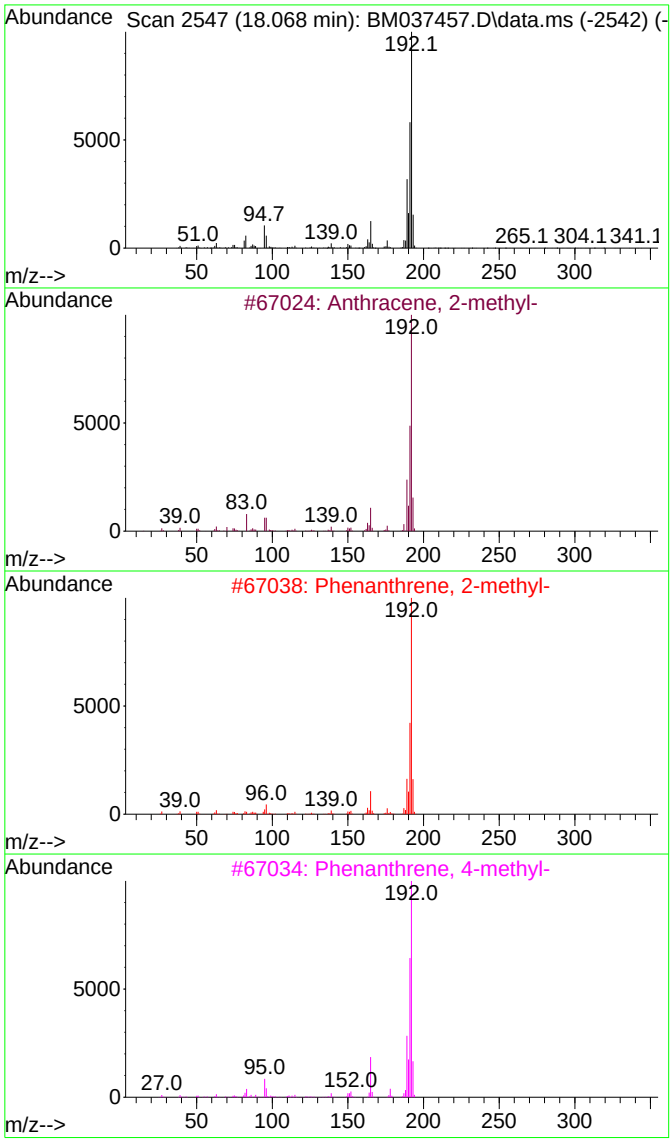
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

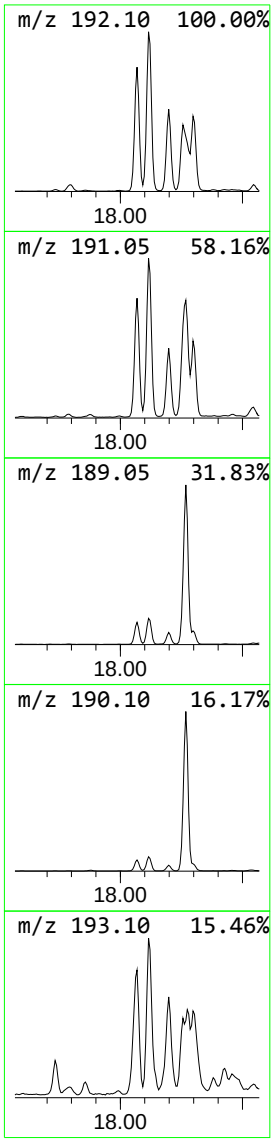
****

Peak Number 7 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.068	16.84 ng	2511490	Phenanthrene-d10	17.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





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Misc :
ALS Vial : 14 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
TIC Integration Parameters: LSCINT.P

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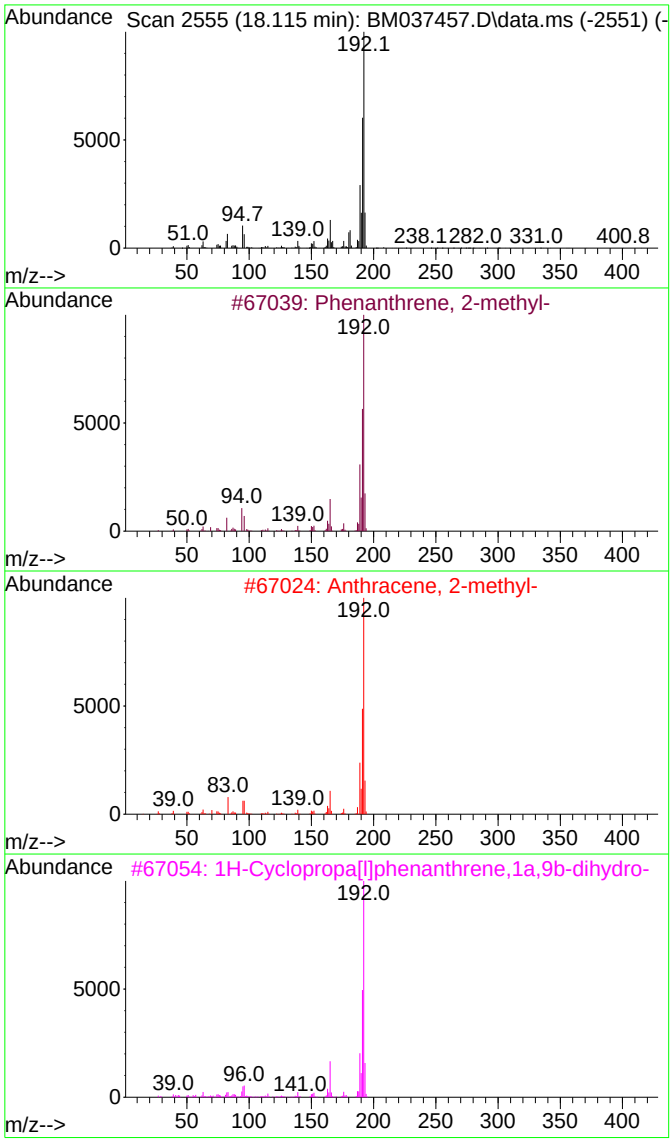
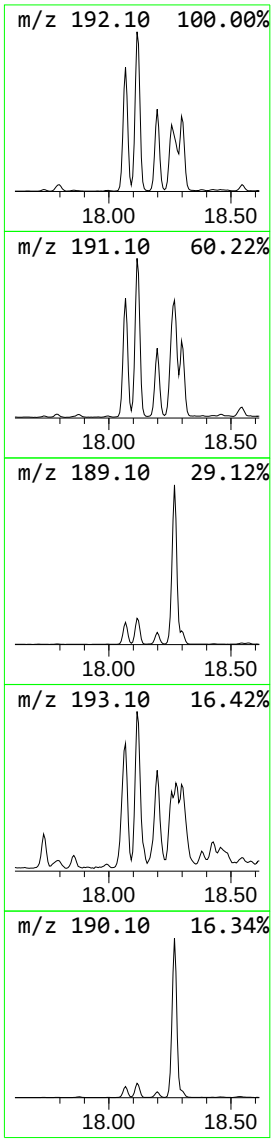
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.115	23.27 ng	3470920	Phenanthrene-d10	17.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





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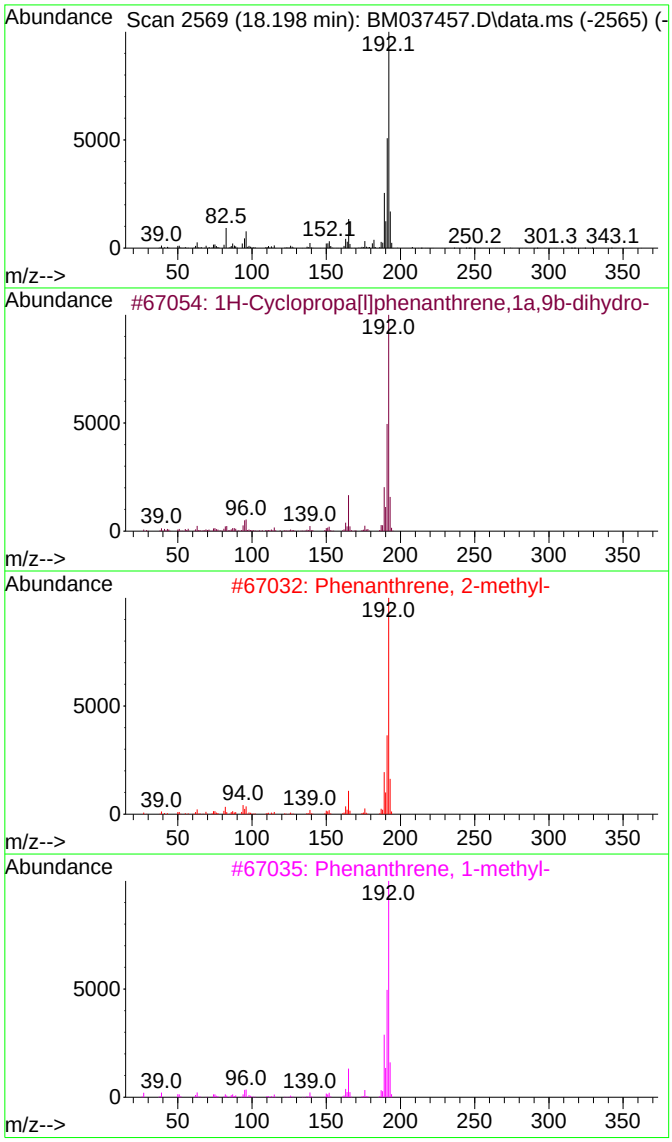
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

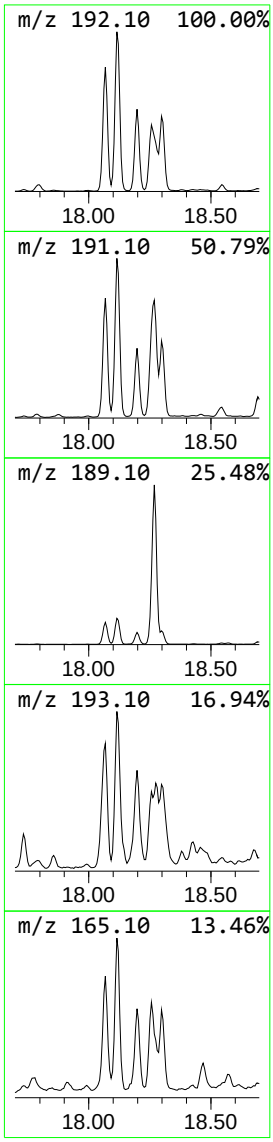
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 1H-Cyclopropa[l]phenanthren... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.198	9.81 ng	1464110	Phenanthrene-d10	17.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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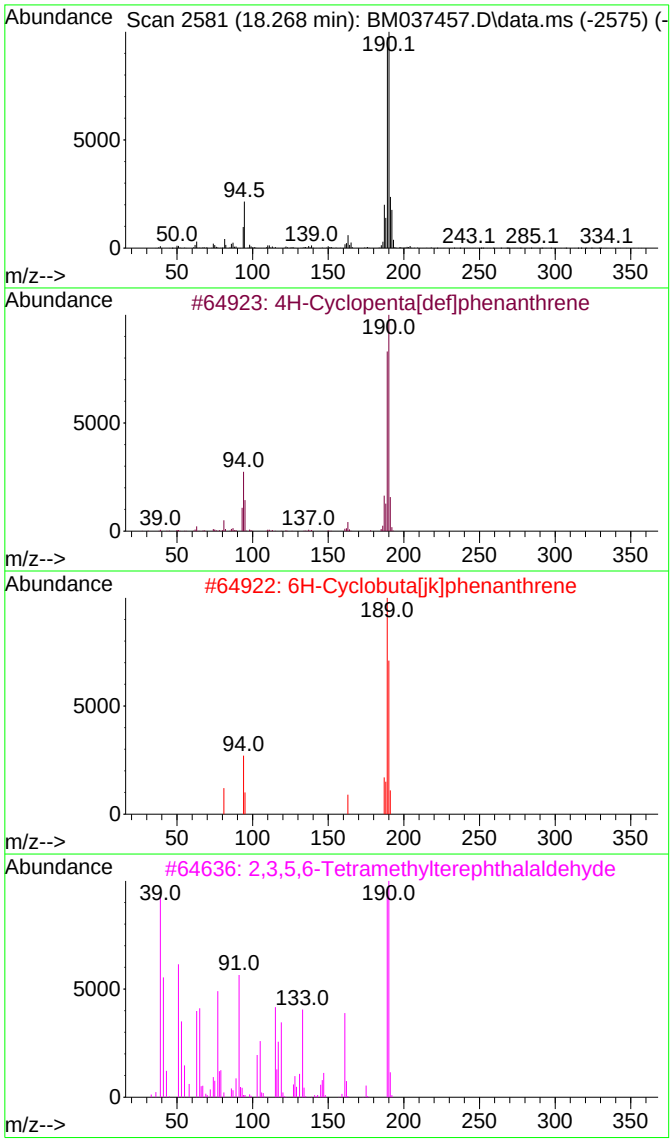
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

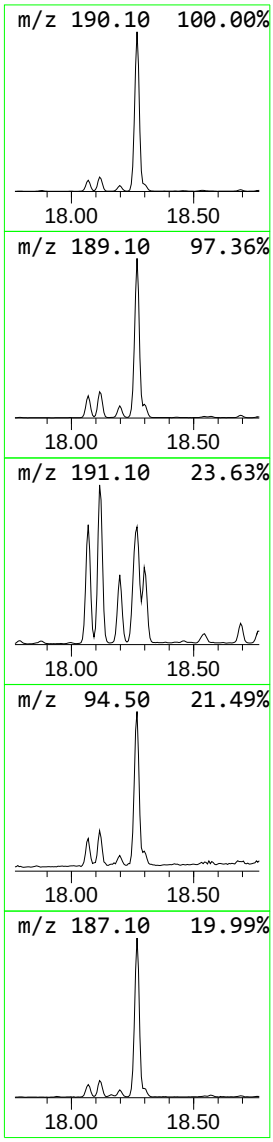
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.268	50.06 ng	7467510	Phenanthrene-d10	17.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	40





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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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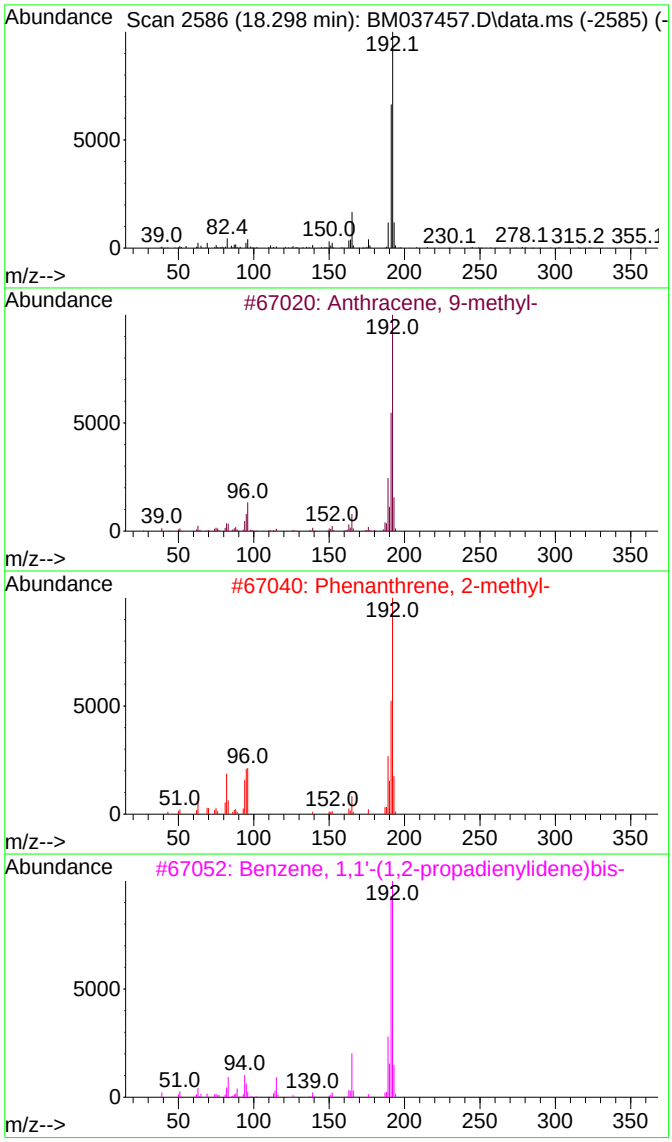
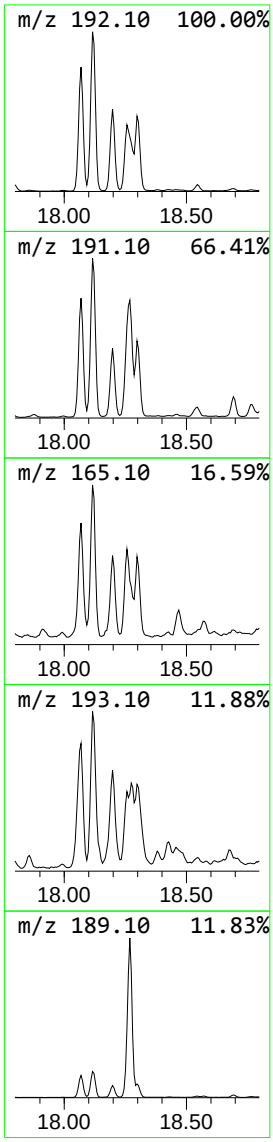
Peak Number 11 Anthracene, 9-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.298	7.43 ng	1108350	Phenanthrene-d10	17.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	80
3	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	80
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	80
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	80





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Sample : N5378-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

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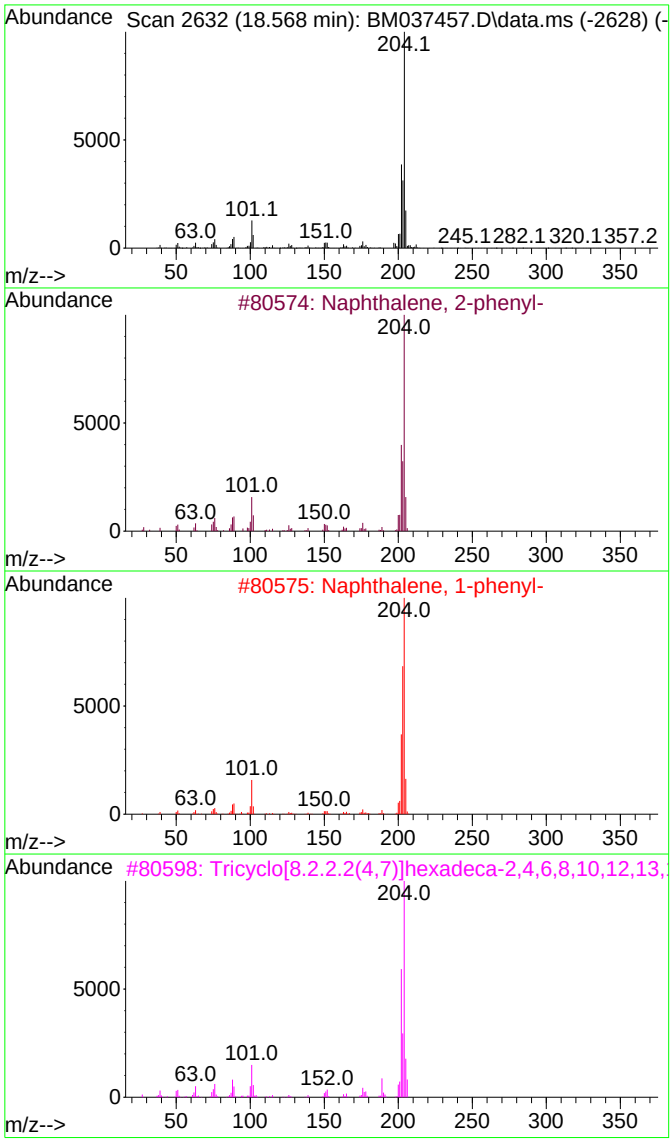
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

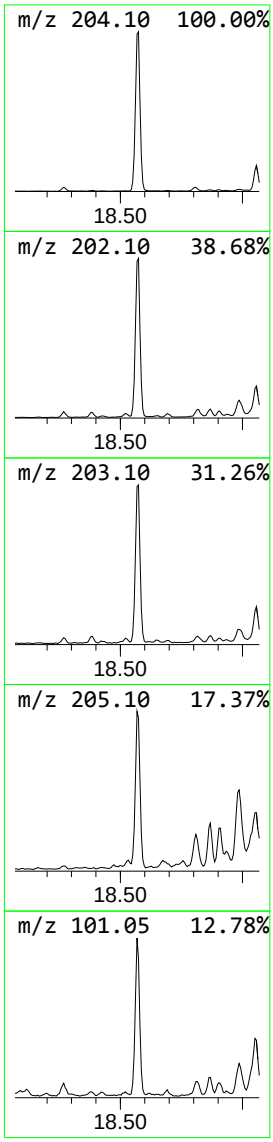
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.568	13.13 ng	1958360	Phenanthrene-d10	17.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
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	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	47
5	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	47





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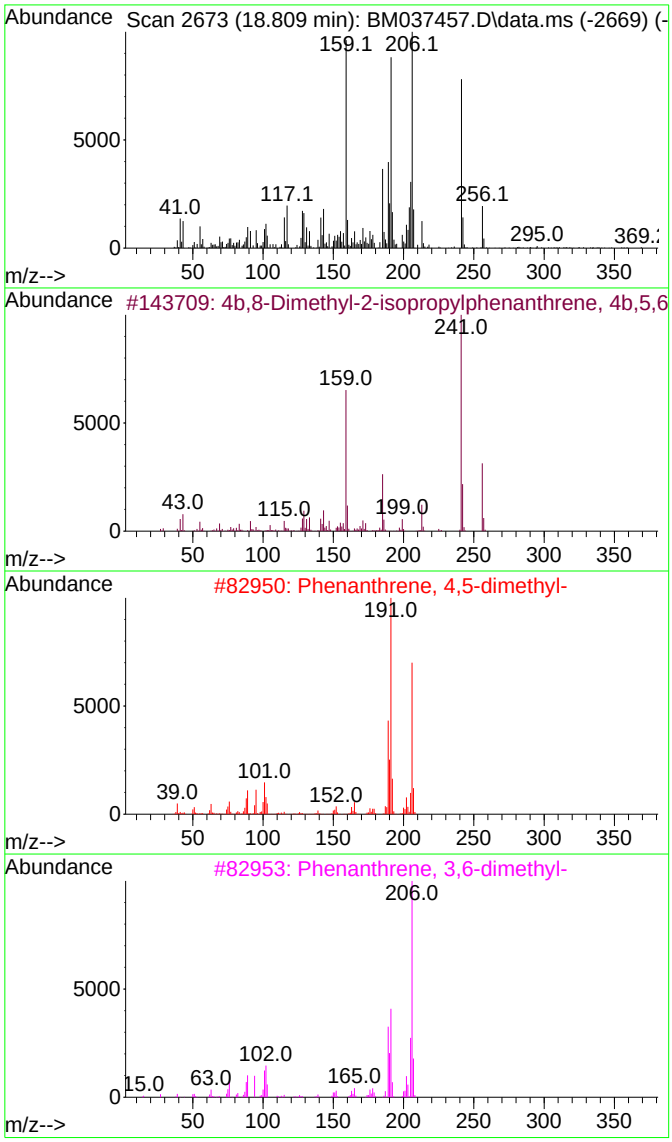
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

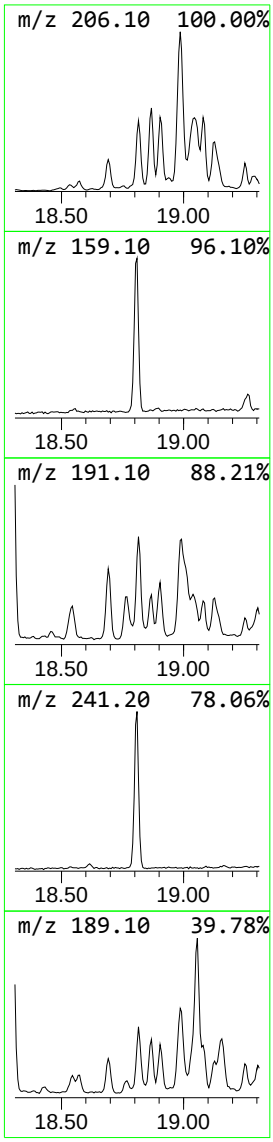
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 4b,8-Dimethyl-2-isopropylph... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.809	6.30 ng	939174	Phenanthrene-d10	17.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	96
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	70
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	60
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	60





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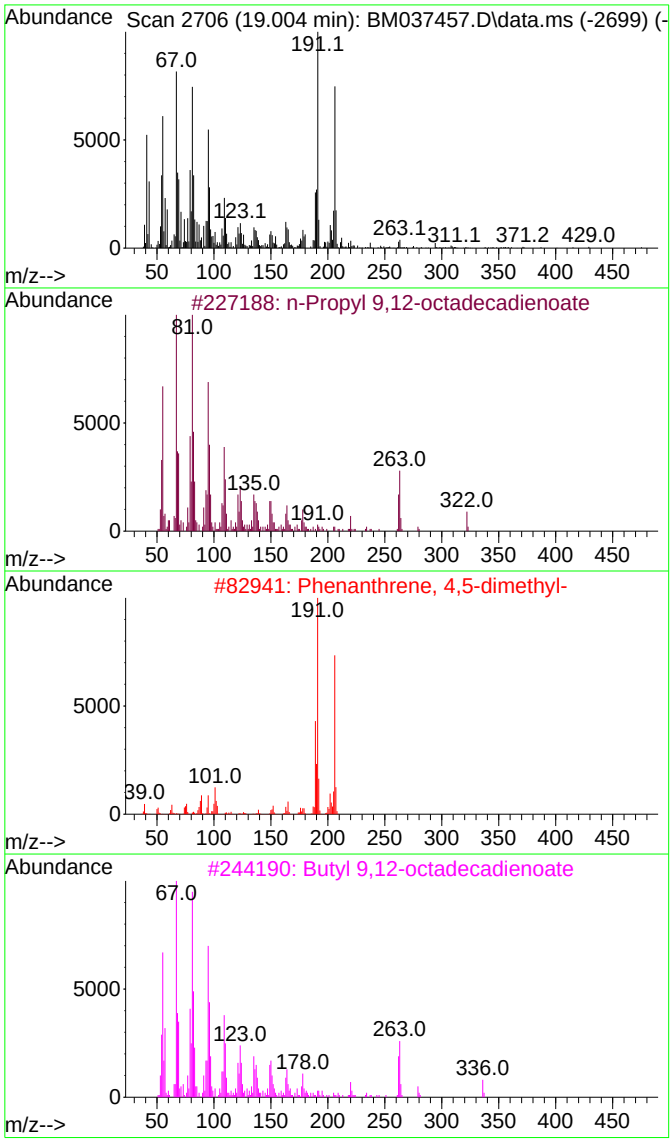
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

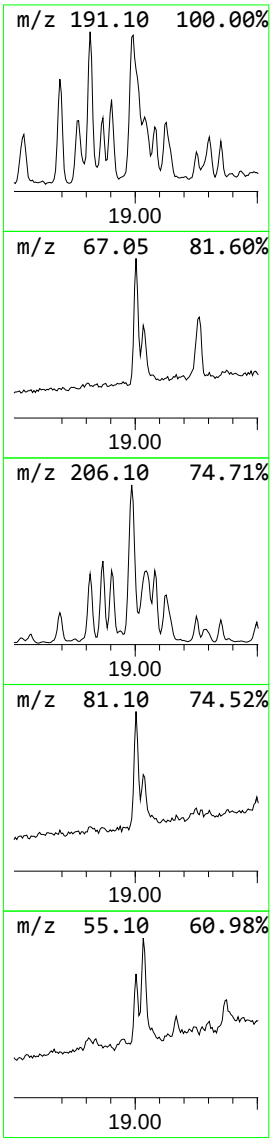
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 n-Propyl 9,12-octadecadienoate Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.003	12.00 ng	1789670	Phenanthrene-d10	17.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Propyl 9,12-octadecadienoate	322	C21H38O2	1000336-77-8	64
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	50
3	Butyl 9,12-octadecadienoate	336	C22H40O2	1000336-54-1	50
4	1H-Inden-1-one, 2,3-dihydro-5,6-...	206	C12H14O3	004082-25-1	49
5	Phenanthrene, 2-ethyl-	206	C16H14	003674-74-6	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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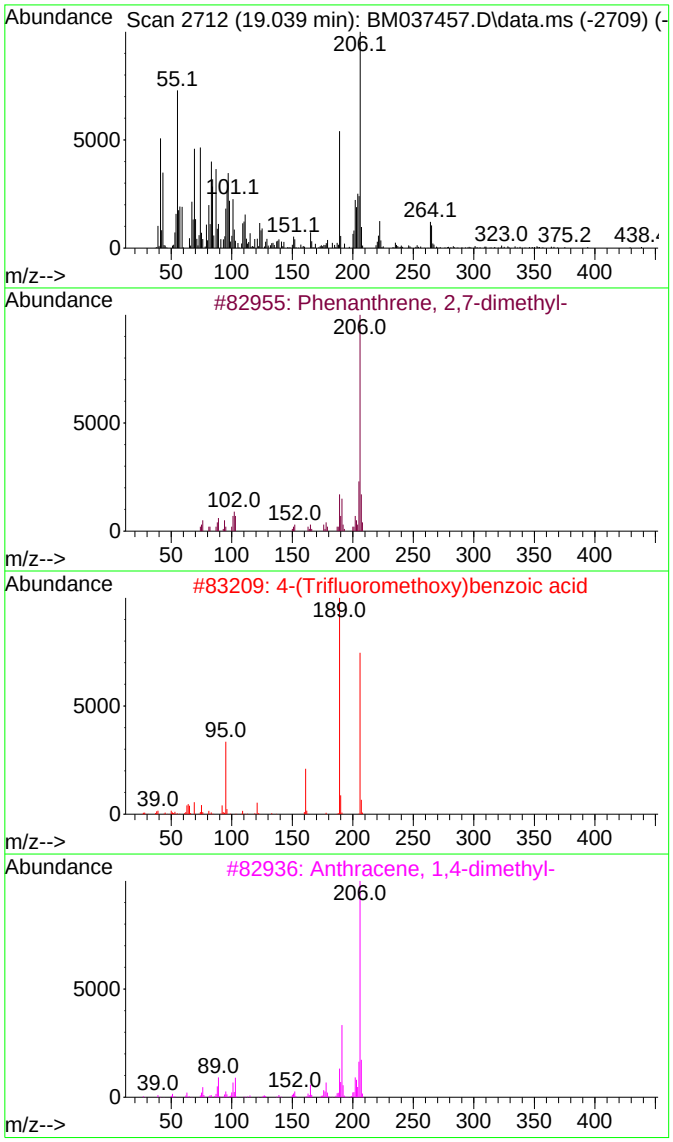
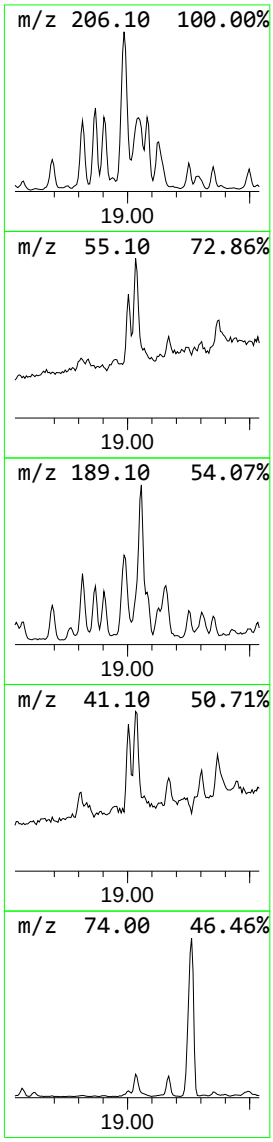
Peak Number 15 unknown19.039 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.039	7.63 ng	1138660	Phenanthrene-d10	17.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	38
2	4-(Trifluoromethoxy)benzoic acid	206	C8H5F3O3	000330-12-1	35
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	35
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	35
5	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	30





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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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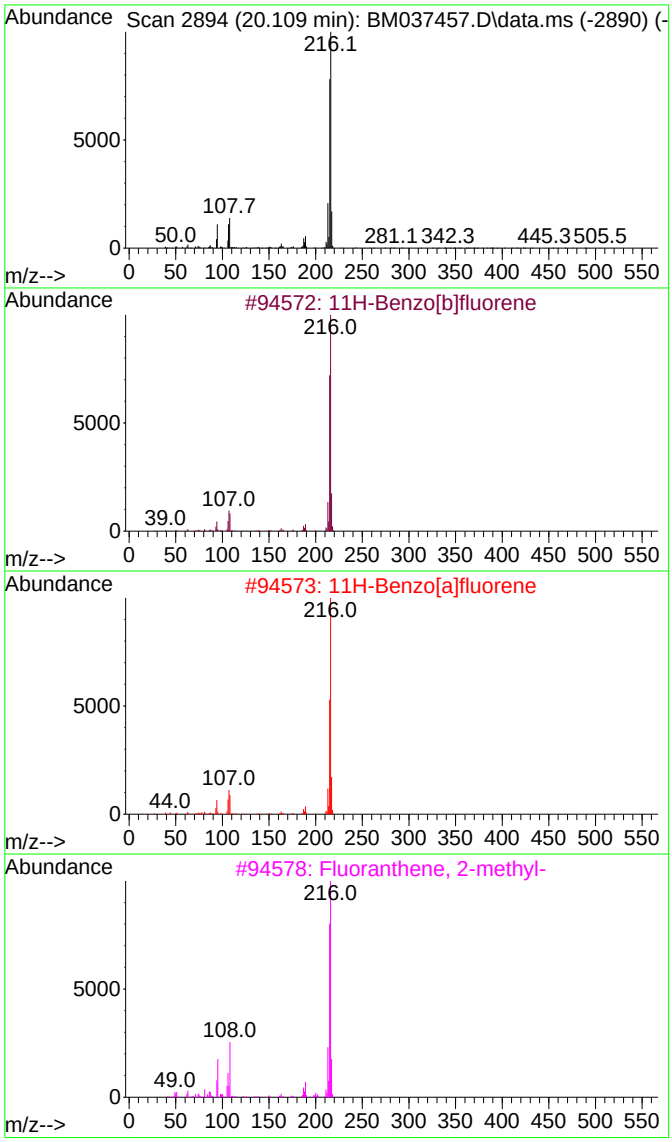
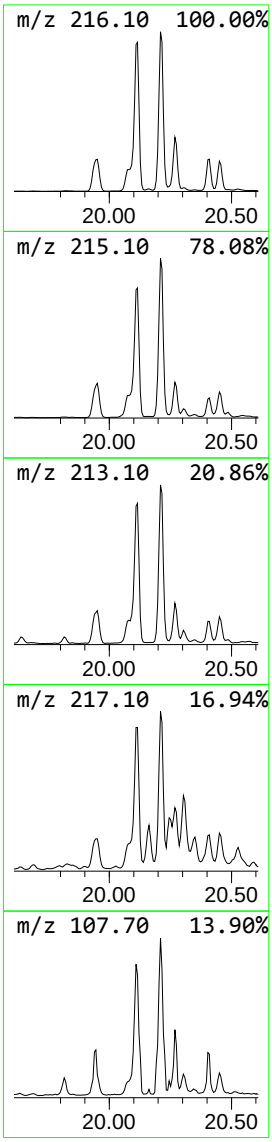
Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.109	4.33 ng	6643260	Chrysene-d12	21.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





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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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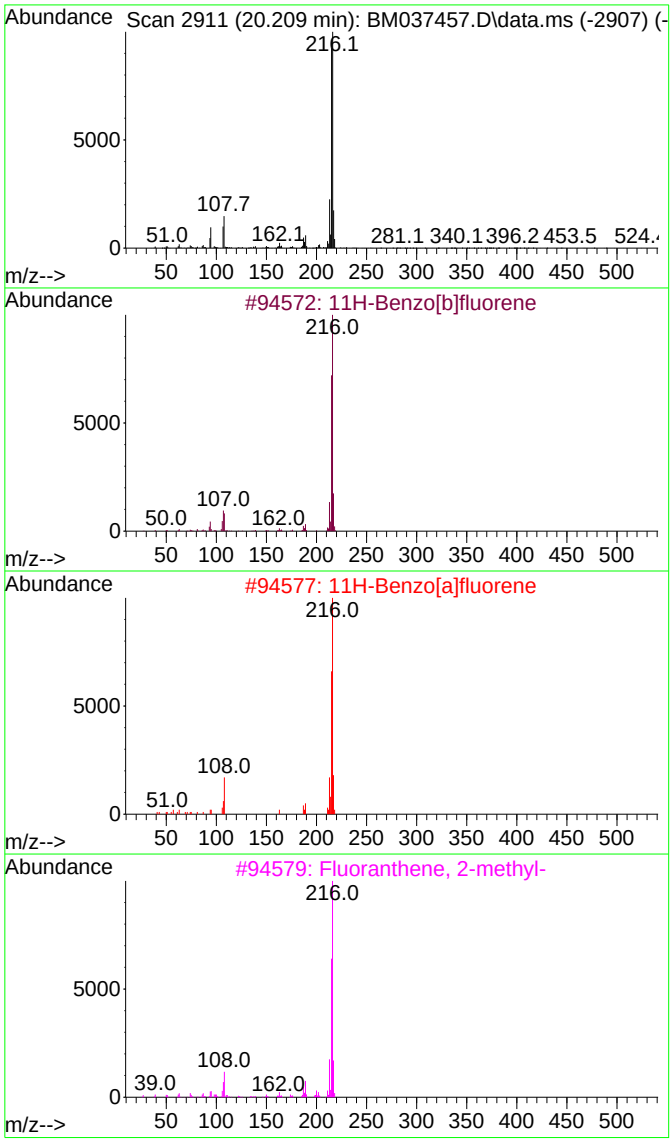
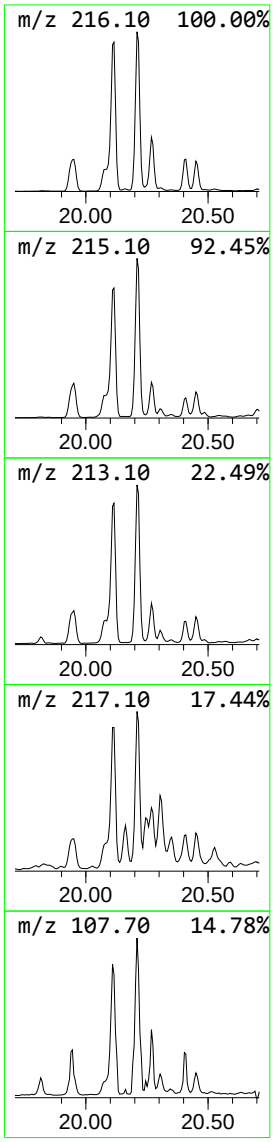
Peak Number 17 11H-Benzo[a]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.209	4.25 ng	6514340	Chrysene-d12	21.380

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	92
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	60





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111022\
Data File : BM037457.D
Acq On : 10 Nov 2022 18:34
Operator : CG/JU
Sample : N5378-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-16-20221028-5.0-6.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102822.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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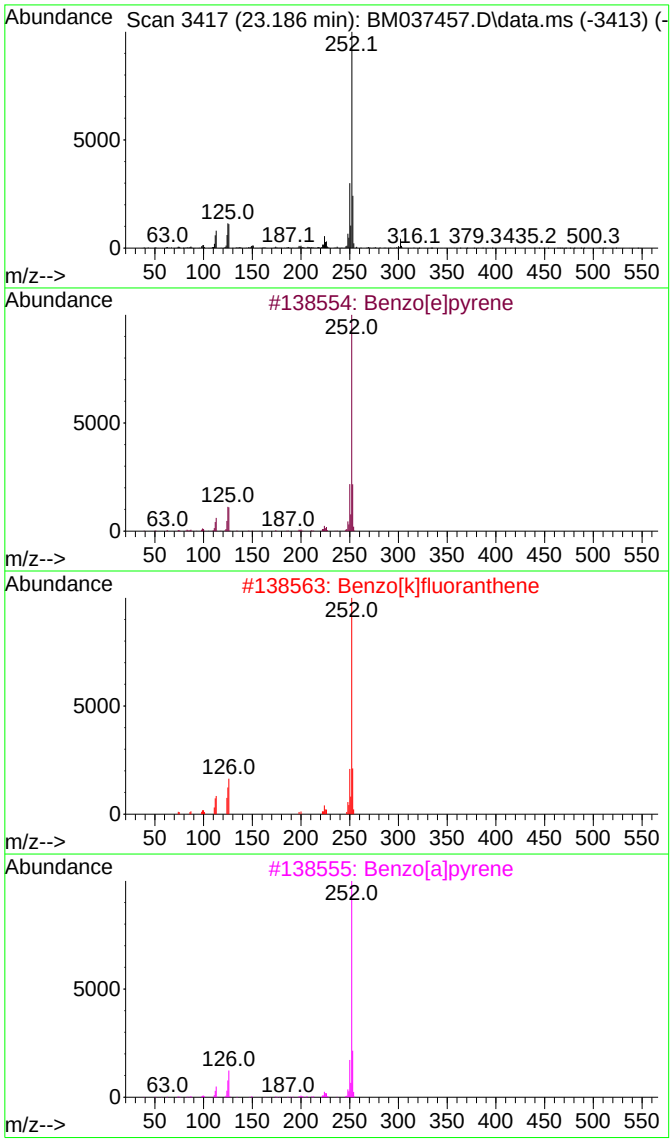
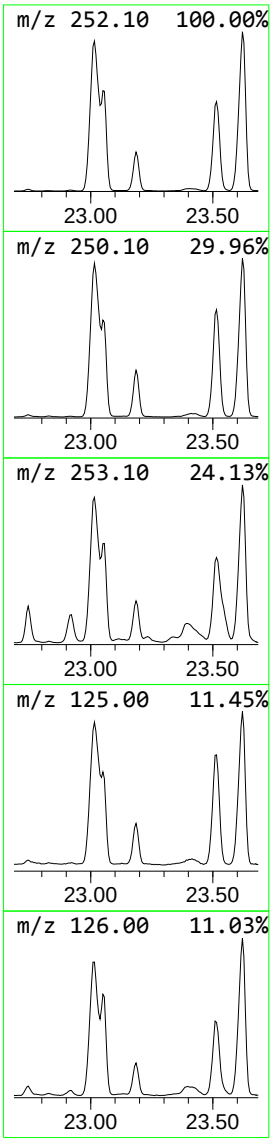
Peak Number 18 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.186	21.22 ng	3862300	Perylene-d12	23.715

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	Benzo[a]pyrene	252	C20H12	000050-32-8	95
4	Perylene	252	C20H12	000198-55-0	95
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111022\
Data File : BM037457.D
Acq On : 10 Nov 2022 18:34
Operator : CG/JU
Sample : N5378-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-16-20221028-5.0-6.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102822.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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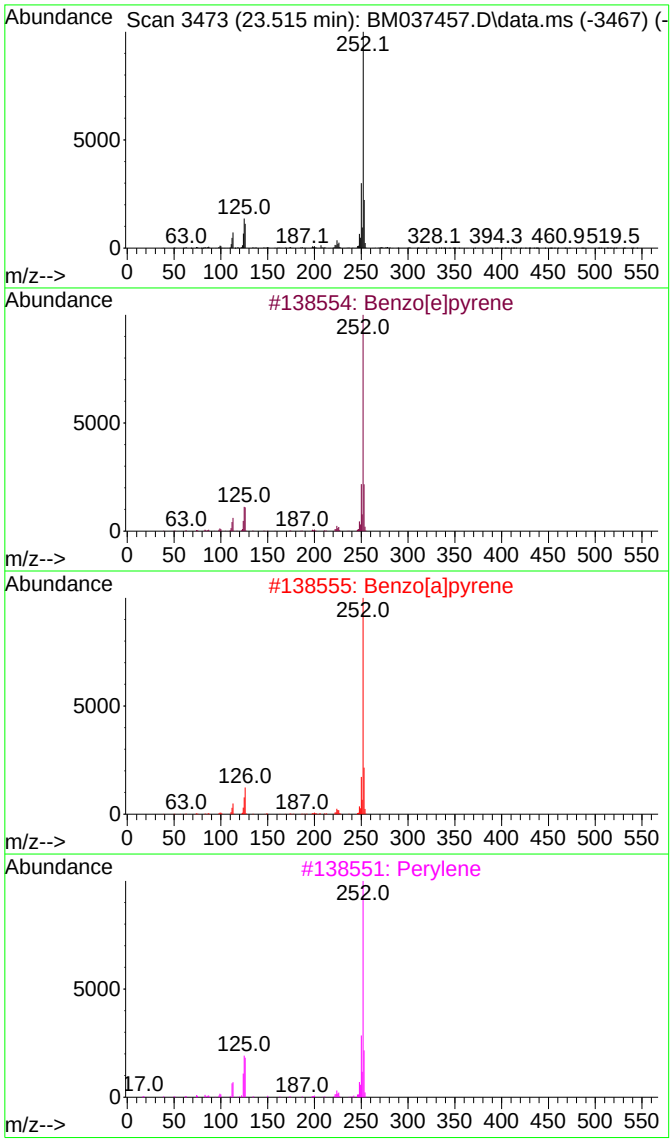
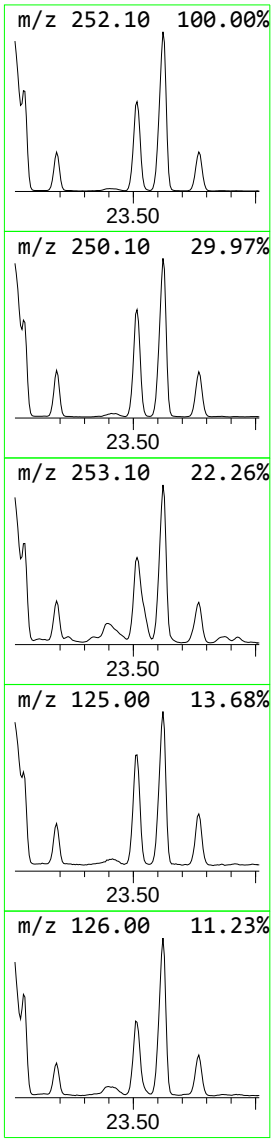
Peak Number 19 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.515	67.52 ng	12289900	Perylene-d12	23.715

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	98
3	Perylene	252	C20H12	000198-55-0	97
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111022\
Data File : BM037457.D
Acq On : 10 Nov 2022 18:34
Operator : CG/JU
Sample : N5378-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-16-20221028-5.0-6.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102822.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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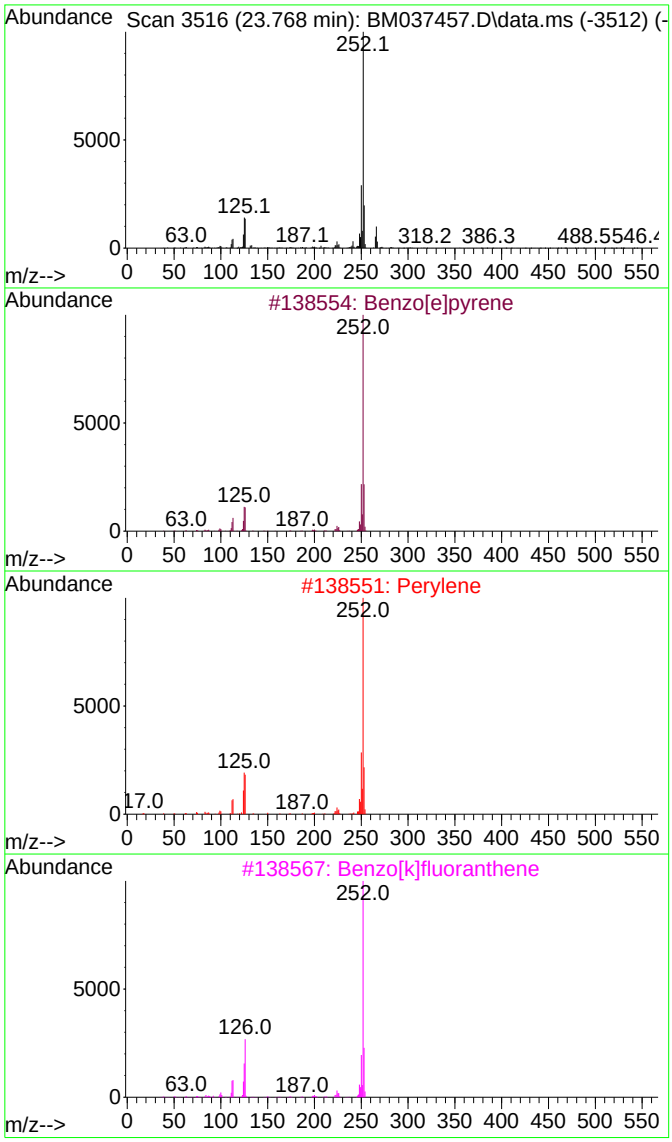
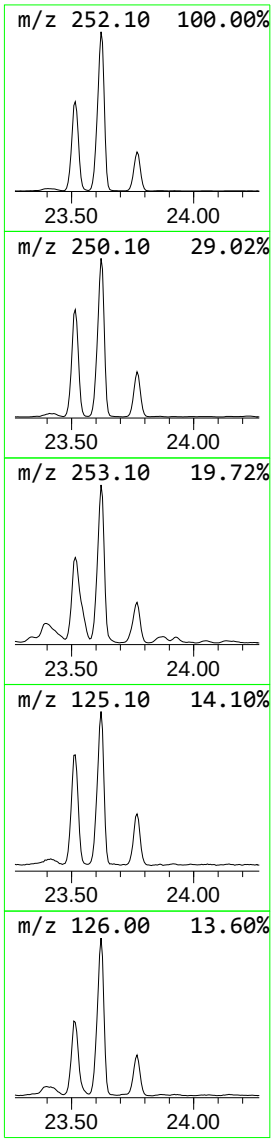
Peak Number 20 unknown23.768 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.768	31.28 ng	5693620	Perylene-d12	23.715

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Perylene	252	C20H12	000198-55-0	96
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111022\
Data File : BM037457.D
Acq On : 10 Nov 2022 18:34
Operator : CG/JU
Sample : N5378-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-16-20221028-5.0-6.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102822.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
Naphthalene, 2,...	13.769	4.7	ng	683628	3	14.451	2930410	20.0
Dibenzofuran, 4...	15.786	5.6	ng	813941	3	14.451	2930410	20.0
9H-Fluorene, 2-...	16.498	6.4	ng	952572	4	17.198	2983440	20.0
Dehydrochamazulene	16.939	4.2	ng	627848	4	17.198	2983440	20.0
Dibenzothiophene	17.009	13.3	ng	1983330	4	17.198	2983440	20.0
Acridine	17.392	5.4	ng	802875	4	17.198	2983440	20.0
Anthracene, 2-m...	18.068	16.8	ng	2511490	4	17.198	2983440	20.0
Phenanthrene, 2...	18.115	23.3	ng	3470920	4	17.198	2983440	20.0
1H-Cyclopropa[l...	18.198	9.8	ng	1464110	4	17.198	2983440	20.0
4H-Cyclopenta[d...	18.268	50.1	ng	7467510	4	17.198	2983440	20.0
Anthracene, 9-m...	18.298	7.4	ng	1108350	4	17.198	2983440	20.0
Naphthalene, 2-...	18.568	13.1	ng	1958360	4	17.198	2983440	20.0
4b,8-Dimethyl-2...	18.809	6.3	ng	939174	4	17.198	2983440	20.0
n-Propyl 9,12-o...	19.003	12.0	ng	1789670	4	17.198	2983440	20.0
unknown19.039	19.039	7.6	ng	1138660	4	17.198	2983440	20.0
11H-Benzo[b]flu...	20.109	4.3	ng	6643260	5	21.380	30678300	20.0
11H-Benzo[a]flu...	20.209	4.3	ng	6514340	5	21.380	30678300	20.0
Benzo[e]pyrene	23.186	21.2	ng	3862300	6	23.715	3640590	20.0
Perylene	23.515	67.5	ng	12289900	6	23.715	3640590	20.0
unknown23.768	23.768	31.3	ng	5693620	6	23.715	3640590	20.0