LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112822\
Data File : BG055814.D
Acq On : 28 Nov 2022 21:13
Operator : CG/JU
Sample : N5772-02 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
LOCATION-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_G\Methods\8270-BG111622.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG055814.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.767	415	422	438	rBV	394070	674642	5.86%	0.601%
2	7.383	689	697	710	rBV	398742	729005	6.33%	0.649%
3	8.229	834	841	852	rVB	186376	312002	2.71%	0.278%
4	9.404	1033	1041	1051	rVB	245822	438877	3.81%	0.391%
5	11.061	1315	1323	1328	rBV	250351	464520	4.03%	0.414%
6	12.700	1595	1602	1607	rBV	93259	153719	1.33%	0.137%
7	12.918	1629	1639	1646	rBV	148282	260492	2.26%	0.232%
8	13.476	1727	1734	1741	rBV	680335	1039068	9.02%	0.925%
9	14.028	1817	1828	1835	rBV2	113918	301989	2.62%	0.269%
10	14.175	1846	1853	1858	rBV	269581	489759	4.25%	0.436%
11	14.228	1858	1862	1867	rVB	131598	192542	1.67%	0.171%
12	14.410	1888	1893	1897	rBV	144770	228546	1.98%	0.204%
13	14.580	1916	1922	1930	rBV2	143768	257527	2.24%	0.229%
14	14.815	1956	1962	1964	rBV	100037	146379	1.27%	0.130%
15	14.856	1964	1969	1974	rVV	390408	633044	5.50%	0.564%
16	14.921	1974	1980	1986	rVV	700890	1123112	9.75%	1.000%
17	15.062	1997	2004	2011	rBV3	90049	201354	1.75%	0.179%
18	15.156	2011	2020	2024	rBV2	64241	179778	1.56%	0.160%
19	15.244	2028	2035	2042	rVV2	343005	618987	5.37%	0.551%
20	15.321	2042	2048	2054	rVB	163977	253376	2.20%	0.226%
21	15.462	2064	2072	2077	rBV2	155290	309705	2.69%	0.276%
22	15.515	2077	2081	2085	rVB	109148	159046	1.38%	0.142%
23	15.632	2093	2101	2104	rBV2	104909	232564	2.02%	0.207%
24	15.661	2104	2106	2111	rVB2	113896	142418	1.24%	0.127%
25	15.802	2126	2130	2134	rVB3	83046	120143	1.04%	0.107%
26	15.896	2140	2146	2156	rVB	709109	1207850	10.49%	1.076%
27	15.990	2157	2162	2164	rVV2	77791	125840	1.09%	0.112%
28	16.020	2164	2167	2170	rVV	128257	214840	1.87%	0.191%
29	16.055	2170	2173	2178	rVV4	154155	258384	2.24%	0.230%
30	16.102	2178	2181	2185	rVV2	82543	140334	1.22%	0.125%
31	16.190	2185	2196	2203	rVB3	253643	610549	5.30%	0.544%
32	16.337	2215	2221	2228	rVB	706092	1174506	10.20%	1.046%
33	16.525	2248	2253	2254	rBV	95617	124213	1.08%	0.111%
34	16.695	2277	2282	2286	rBV	78640	122484	1.06%	0.109%
35	16.895	2307	2316	2321	rBV3	292094	620445	5.39%	0.552%
36	16.948	2321	2325	2329	rVB2	182496	269161	2.34%	0.240%

LSC Area Percent Report

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Sample : N5772-02 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
LOCATION-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_G\Methods\8270-BG111622.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	17.048	2337	2342	2346	rVB2	151642	245522	2.13%	0.219%
38	17.119	2347	2354	2358	rBV4	127305	313982	2.73%	0.280%
39	17.160	2358	2361	2369	rVB2	123368	234835	2.04%	0.209%
40	17.248	2372	2376	2382	rVB2	210757	338386	2.94%	0.301%
41	17.312	2383	2387	2394	rBV3	174399	324395	2.82%	0.289%
42	17.418	2400	2405	2411	rVB	486606	766701	6.66%	0.683%
43	17.600	2430	2436	2439	rBV	412031	743657	6.46%	0.662%
44	17.653	2439	2445	2450	rVB	4329238	7455725	64.73%	6.639%
45	17.735	2454	2459	2463	rBV	799271	1170943	10.17%	1.043%
46	17.994	2498	2503	2510	rBV3	259232	529383	4.60%	0.471%
47	18.106	2519	2522	2526	rBV	214606	279465	2.43%	0.249%
48	18.176	2530	2534	2540	rVB	540679	810356	7.04%	0.722%
49	18.323	2554	2559	2565	rVB	311540	612717	5.32%	0.546%
50	18.393	2567	2571	2575	rBV2	117531	195189	1.69%	0.174%
51	18.470	2578	2584	2588	rVV	1154820	1981039	17.20%	1.764%
52	18.523	2588	2593	2598	rVB	1446181	2209800	19.19%	1.968%
53	18.599	2601	2606	2611	rBV	306084	494689	4.29%	0.441%
54	18.670	2611	2618	2621	rBV2	1575875	3286483	28.53%	2.927%
55	18.699	2621	2623	2628	rVB	900200	1133399	9.84%	1.009%
56	18.858	2646	2650	2654	rVV	224157	315449	2.74%	0.281%
57	18.958	2662	2667	2671	rBV2	903702	1306710	11.34%	1.164%
58	19.010	2671	2676	2685	rVB	853428	1452700	12.61%	1.294%
59	19.081	2685	2688	2690	rBV	106616	131471	1.14%	0.117%
60	19.181	2700	2705	2706	rBV	266522	379519	3.29%	0.338%
61	19.251	2713	2717	2720	rBV	427397	506484	4.40%	0.451%
62	19.292	2720	2724	2728	rVB3	352977	511807	4.44%	0.456%
63	19.375	2732	2738	2742	rBV	1008274	1816185	15.77%	1.617%
64	19.439	2743	2749	2752	rBV4	286812	620250	5.39%	0.552%
65	19.533	2758	2765	2770	rBV4	469850	1209474	10.50%	1.077%
66	19.657	2777	2786	2790	rBV	5542411	10159915	88.21%	9.047%
67	19.692	2790	2792	2796	rVV2	253227	337021	2.93%	0.300%
68	19.733	2796	2799	2803	rVB2	344458	460093	3.99%	0.410%
69	19.792	2806	2809	2813	rBV	130016	188747	1.64%	0.168%
70	19.886	2820	2825	2835	rVB2	558635	1156418	10.04%	1.030%
71	20.021	2836	2848	2852	rVV2	5231580	11518060	100.00%	10.257%
72	20.068	2852	2856	2861	rVB	594719	854513	7.42%	0.761%
73	20.180	2871	2875	2880	rVB2	1257780	1687144	14.65%	1.502%
74	20.327	2893	2900	2905	rBV3	660510	1571494	13.64%	1.399%
75	20.491	2924	2928	2932	rVB	1375052	2066076	17.94%	1.840%
76	20.585	2940	2944	2948	rVB	1067315	1355118	11.77%	1.207%

LSC Area Percent Report

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Operator : CG/JU
Sample : N5772-02 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
LOCATION-2

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Start Thrs: 0.2 Max Peaks: 100
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Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	20.650	2951	2955	2958	rVB	880689	1105769	9.60%	0.985%
78	20.791	2975	2979	2982	rBV	764127	1054987	9.16%	0.939%
79	20.838	2983	2987	2997	rVB	816583	1512486	13.13%	1.347%
80	21.267	3057	3060	3067	rVB2	564022	873902	7.59%	0.778%
81	21.460	3088	3093	3097	rBV	679818	1154741	10.03%	1.028%
82	21.502	3097	3100	3105	rVB	632826	889398	7.72%	0.792%
83	21.554	3105	3109	3113	rBV2	608770	982295	8.53%	0.875%
84	21.884	3158	3165	3171	rBV3	2705690	5978764	51.91%	5.324%
85	21.960	3172	3178	3187	rVB	2662251	5450596	47.32%	4.854%
86	22.113	3199	3204	3211	rBV	562051	1039109	9.02%	0.925%
87	22.324	3236	3240	3246	rVB2	300720	536356	4.66%	0.478%
88	22.741	3307	3311	3318	rVB2	340862	671398	5.83%	0.598%
89	22.953	3343	3347	3352	rBV	302325	580306	5.04%	0.517%
90	24.245	3556	3567	3573	rBV	1469438	5437991	47.21%	4.842%
91	25.003	3689	3696	3711	rVB	1000589	3144162	27.30%	2.800%
92	25.168	3714	3724	3733	rVB	1516687	4624289	40.15%	4.118%

Sum of corrected areas: 112299063

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112822\
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Misc :
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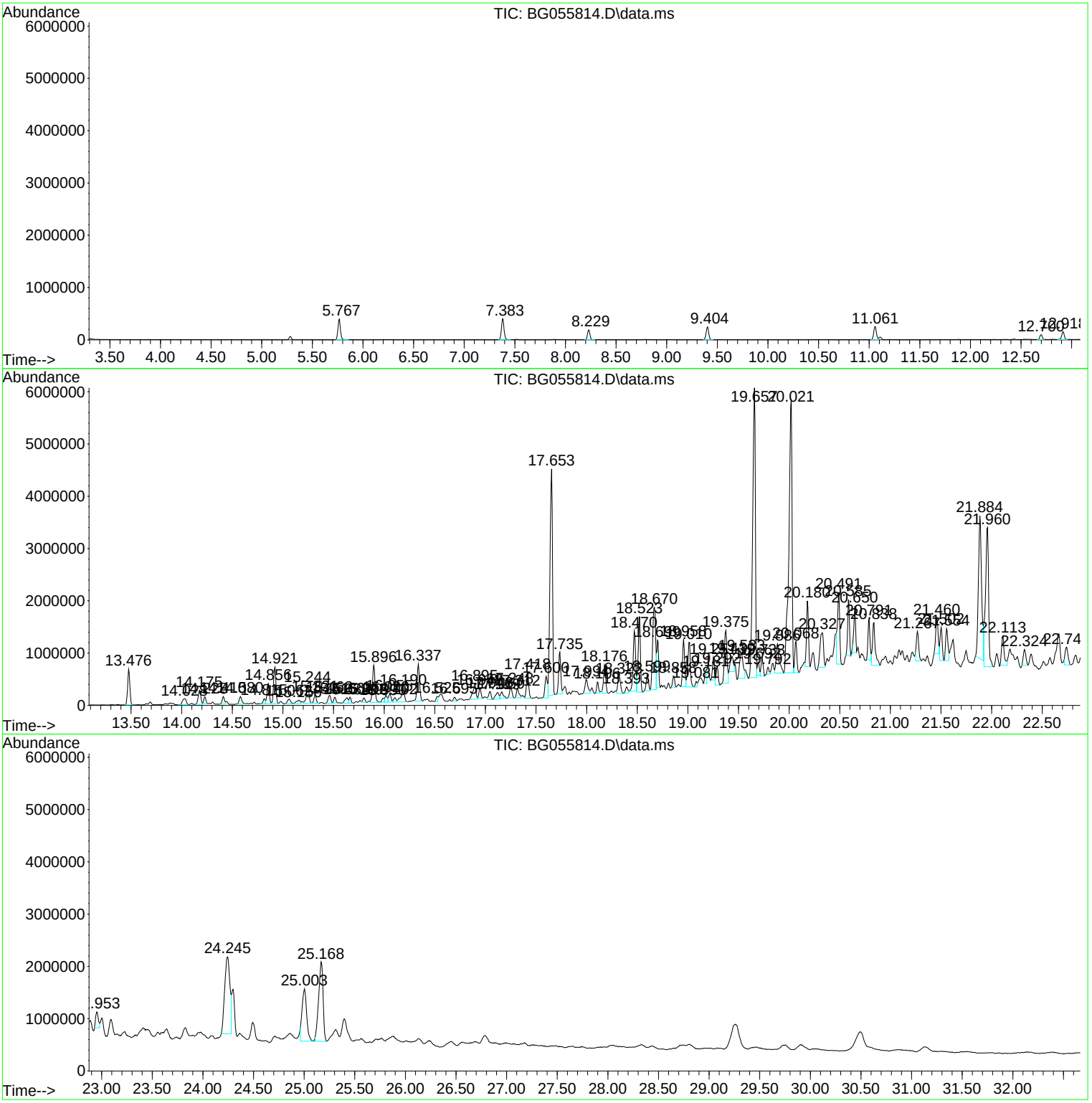
Instrument :
BNA_G
ClientSampleId :
LOCATION-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.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_G\Data\BG112822\
Data File : BG055814.D
Acq On : 28 Nov 2022 21:13
Operator : CG/JU
Sample : N5772-02 2X
Misc :
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Instrument :
BNA_G
ClientSampleId :
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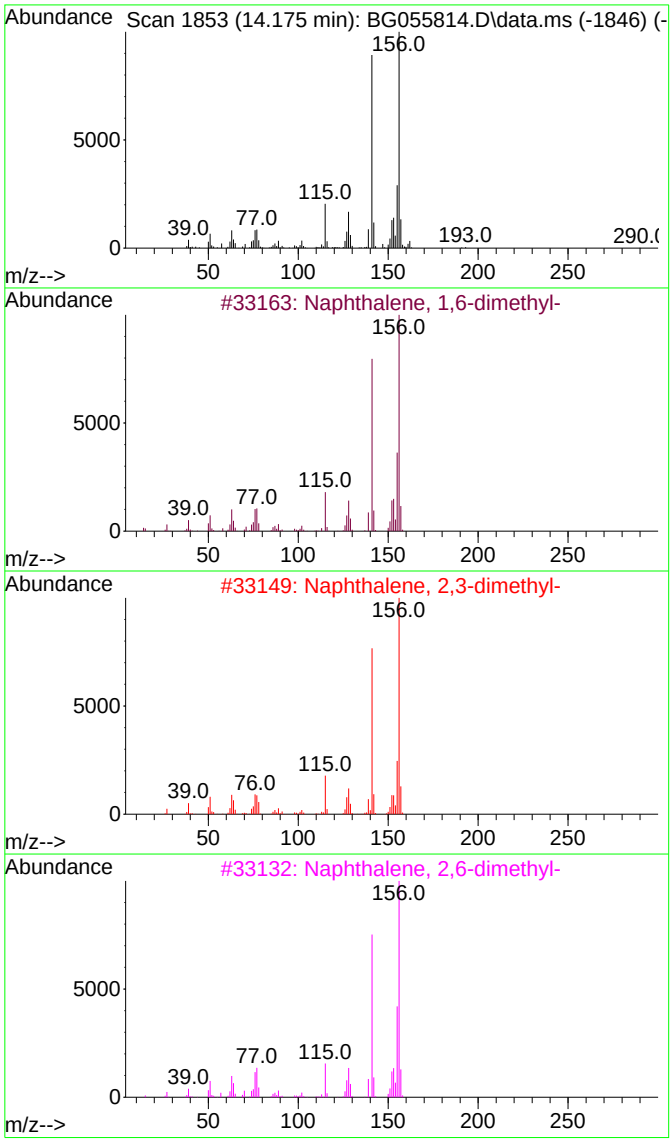
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

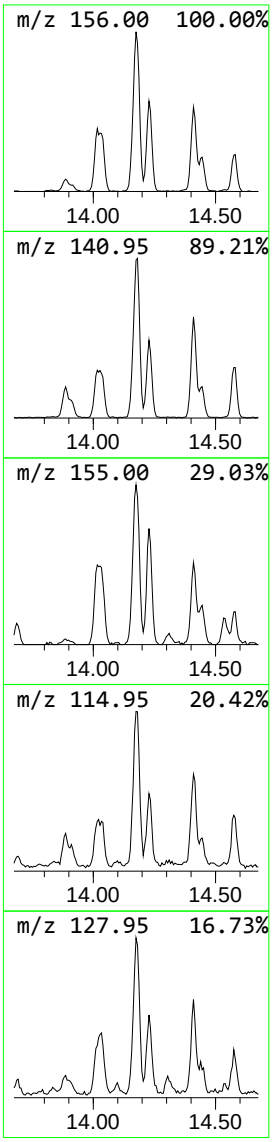
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Naphthalene, 1,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.175	15.47 ng	489759	Acenaphthene-d10	14.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112822\
Data File : BG055814.D
Acq On : 28 Nov 2022 21:13
Operator : CG/JU
Sample : N5772-02 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
LOCATION-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

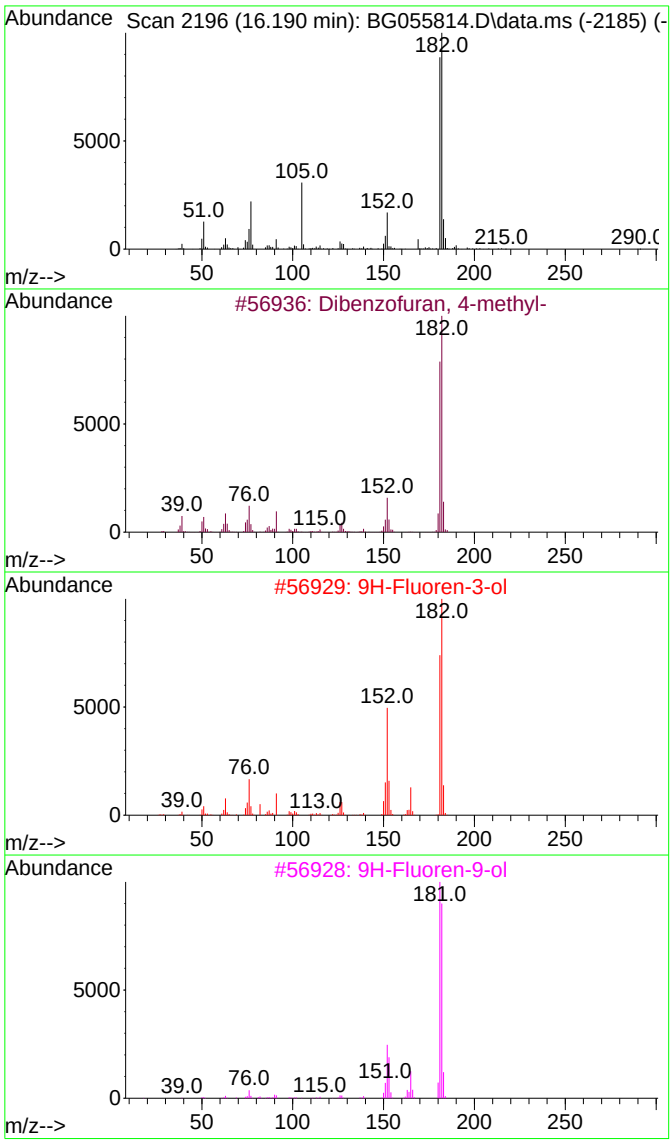
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

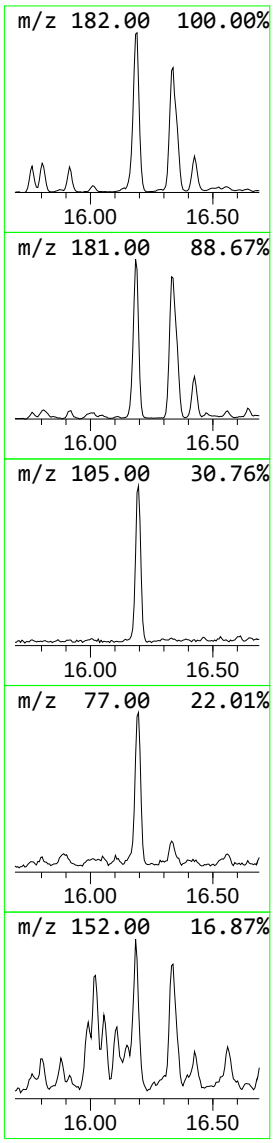
****

Peak Number 2 Dibenzofuran, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.190	19.29 ng	610549	Acenaphthene-d10	14.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	74
2	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	64
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	59
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	59
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112822\
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Instrument :
BNA_G
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

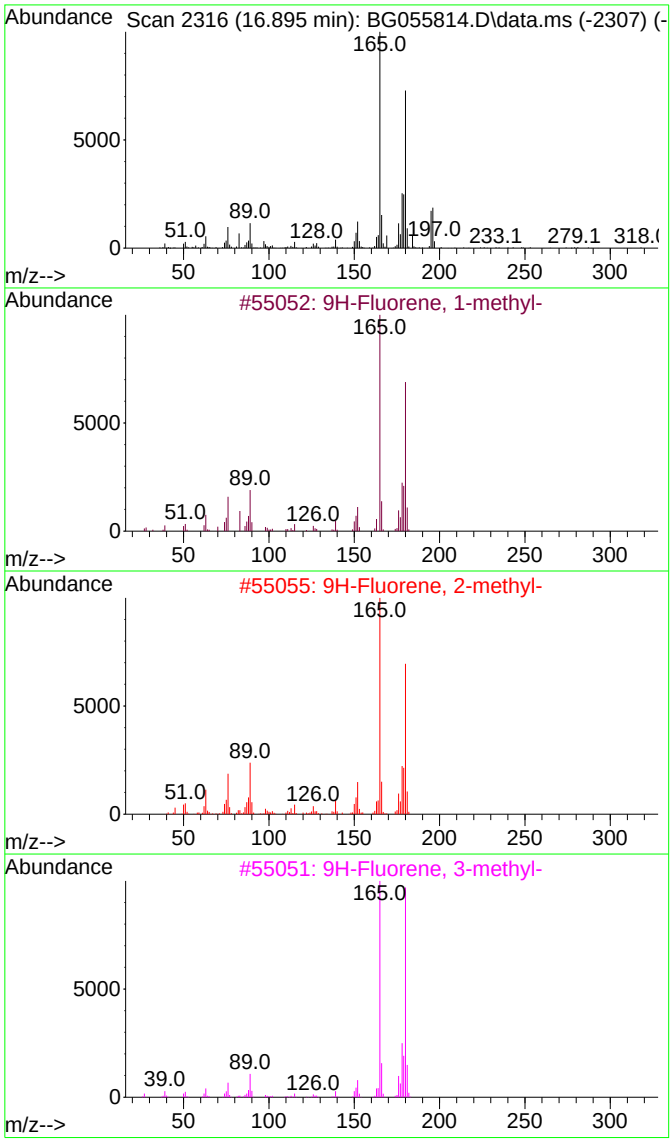
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

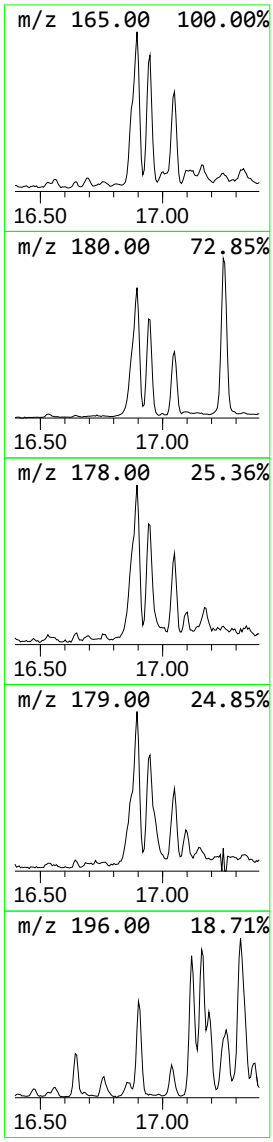
****

Peak Number 3 9H-Fluorene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.895	16.69 ng	620445	Phenanthrene-d10	17.600

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	64
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112822\
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Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

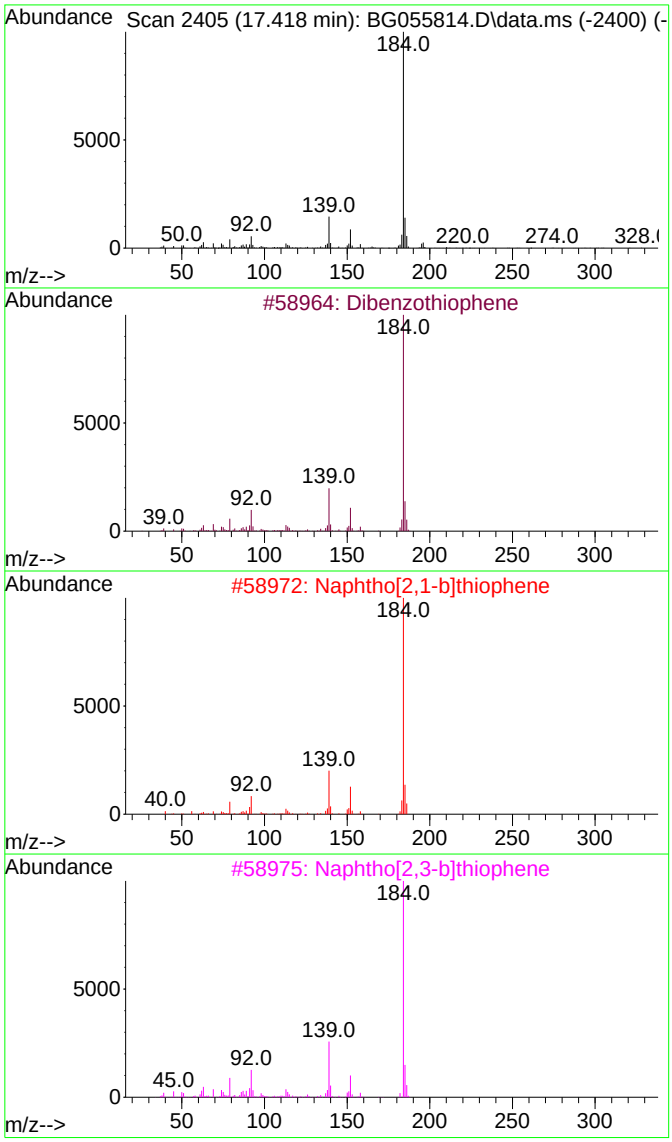
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

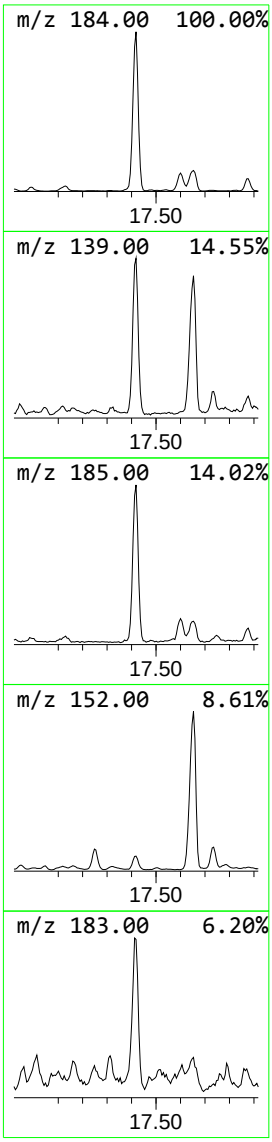
****

Peak Number 4 Dibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.418	20.62 ng	766701	Phenanthrene-d10	17.600

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[2,3-b]thiophene	184	C12H8S	000268-77-9	94
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112822\
Data File : BG055814.D
Acq On : 28 Nov 2022 21:13
Operator : CG/JU
Sample : N5772-02 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
LOCATION-2

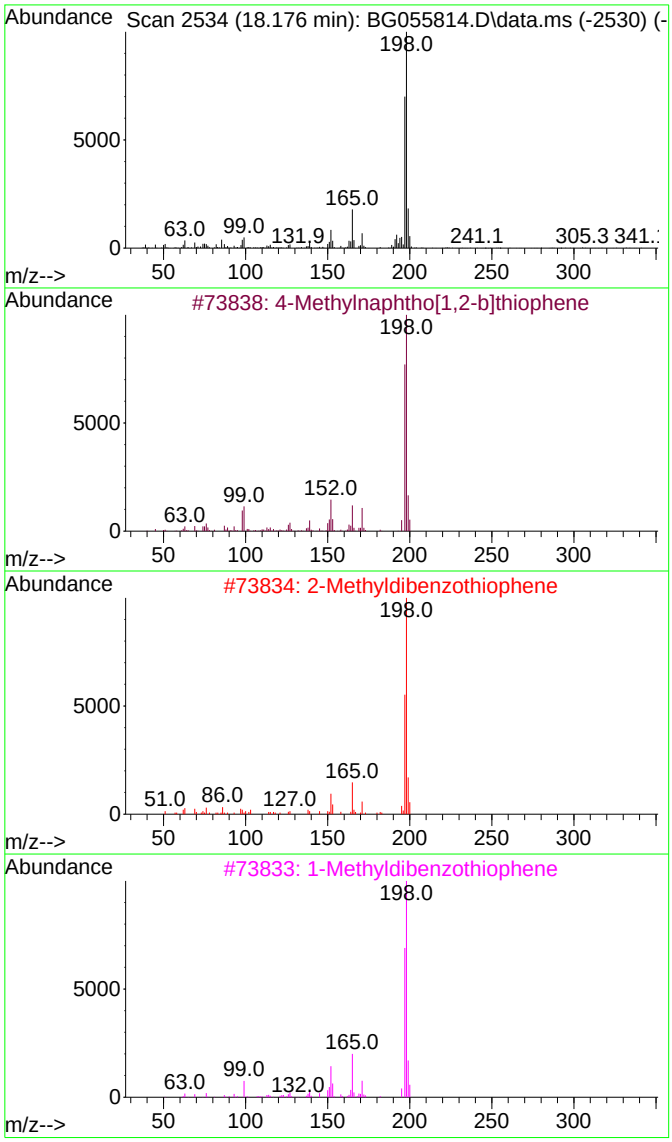
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

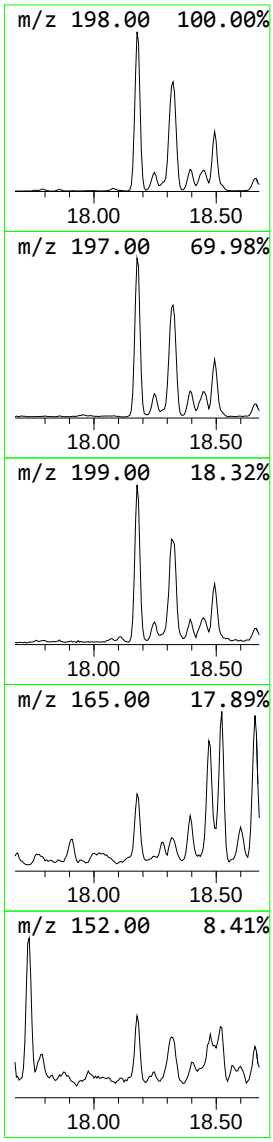
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.176	21.79 ng	810356	Phenanthrene-d10	17.600

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	95
2	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	94
3	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	93
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	90
5	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112822\
Data File : BG055814.D
Acq On : 28 Nov 2022 21:13
Operator : CG/JU
Sample : N5772-02 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
LOCATION-2

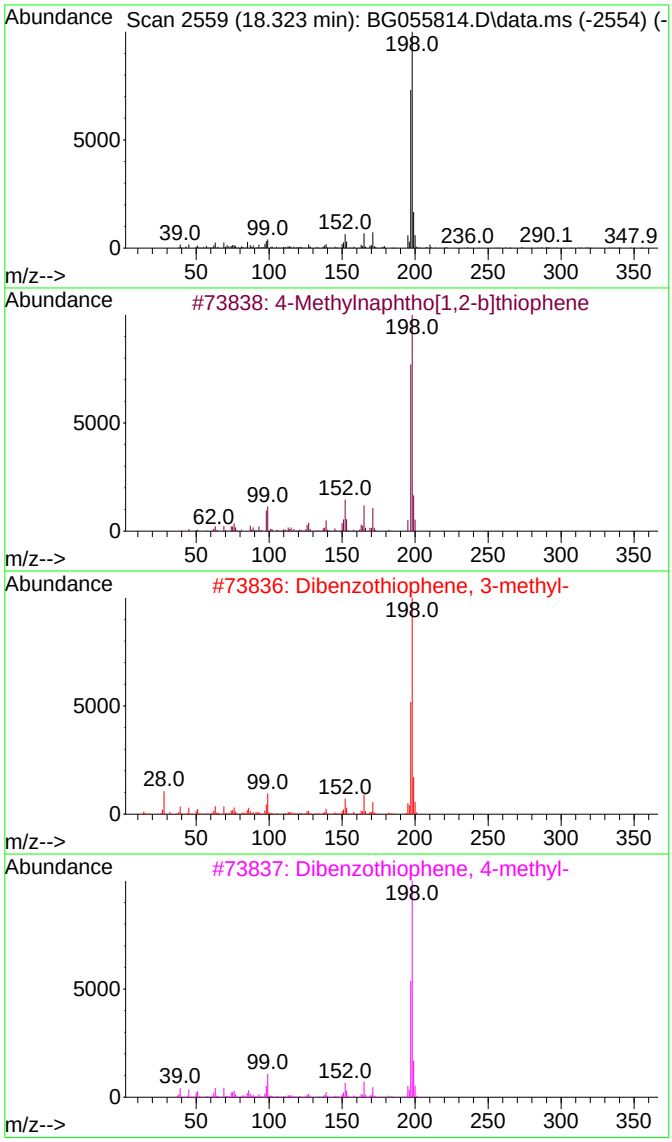
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

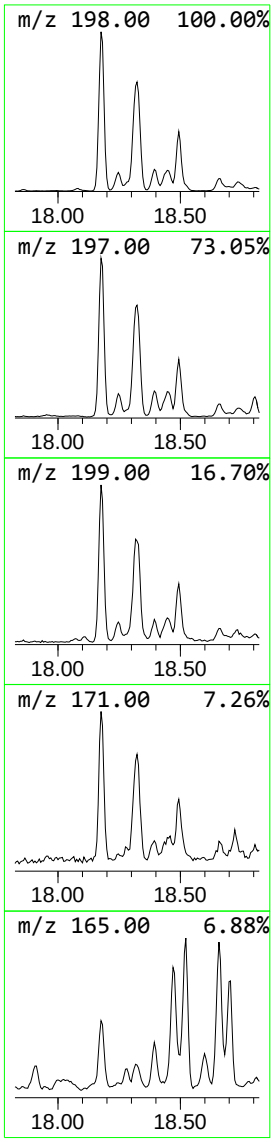
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Dibenzothiophene, 3-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.323	16.48 ng	612717	Phenanthrene-d10	17.600

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	97
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	91
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	91
4	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	90
5	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	87





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Acq On : 28 Nov 2022 21:13
Operator : CG/JU
Sample : N5772-02 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
LOCATION-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

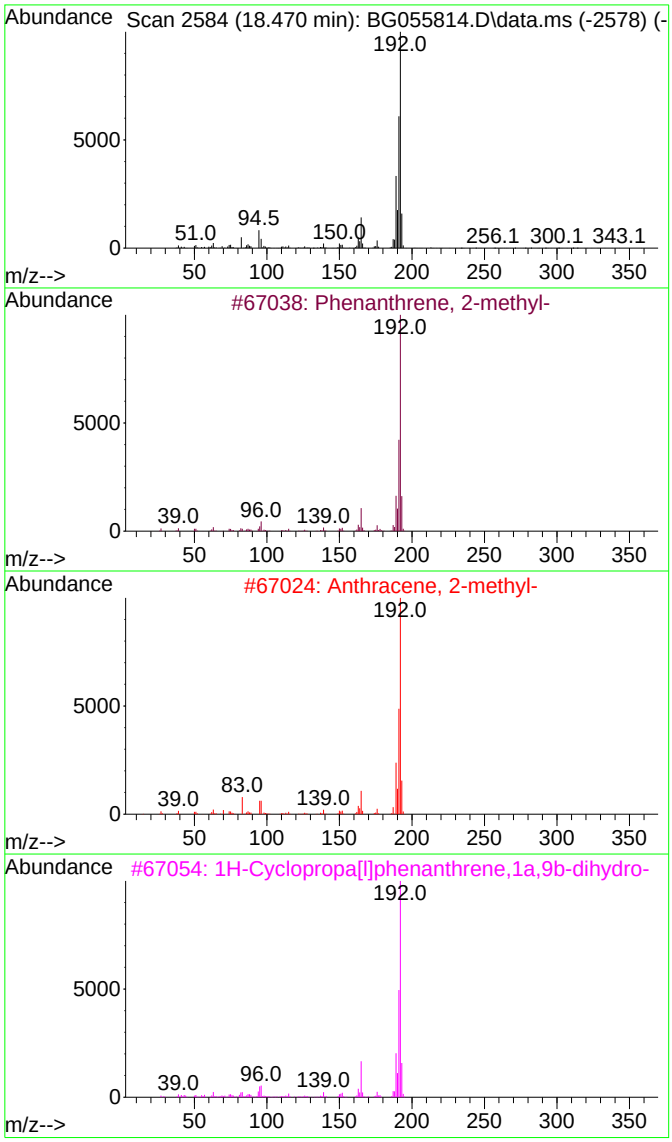
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

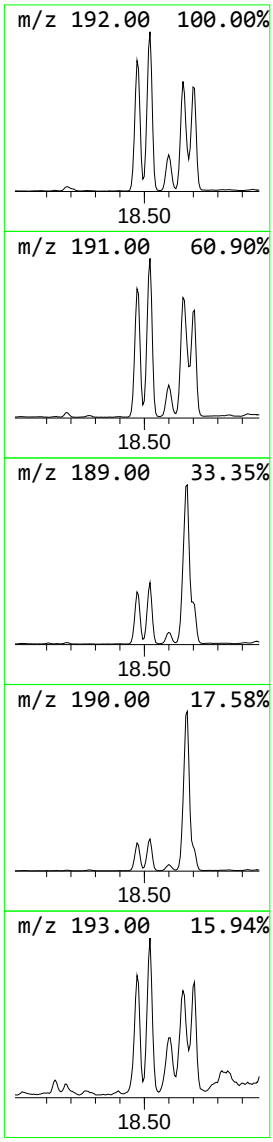
****

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.470	53.28 ng	1981040	Phenanthrene-d10	17.600

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





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Operator : CG/JU
Sample : N5772-02 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
LOCATION-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

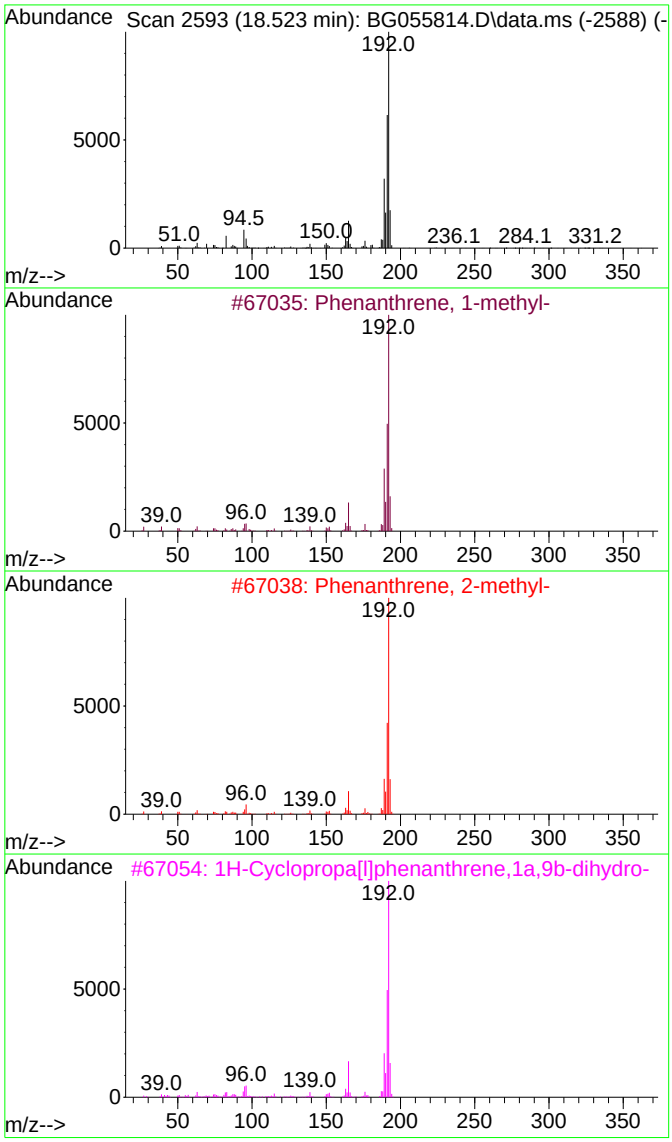
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

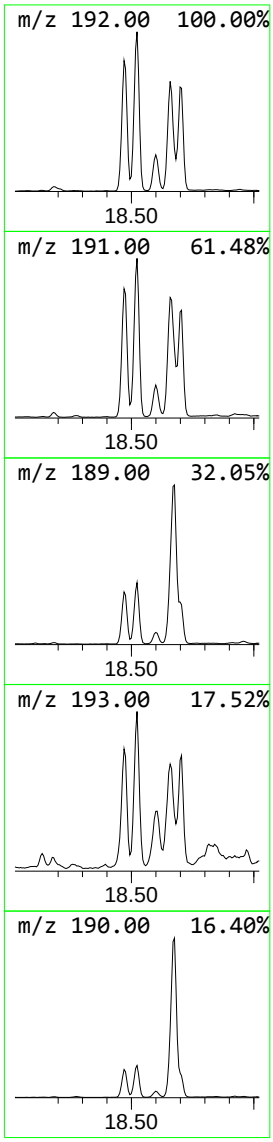
****

Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.523	59.43 ng	2209800	Phenanthrene-d10	17.600

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





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Operator : CG/JU
Sample : N5772-02 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
LOCATION-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

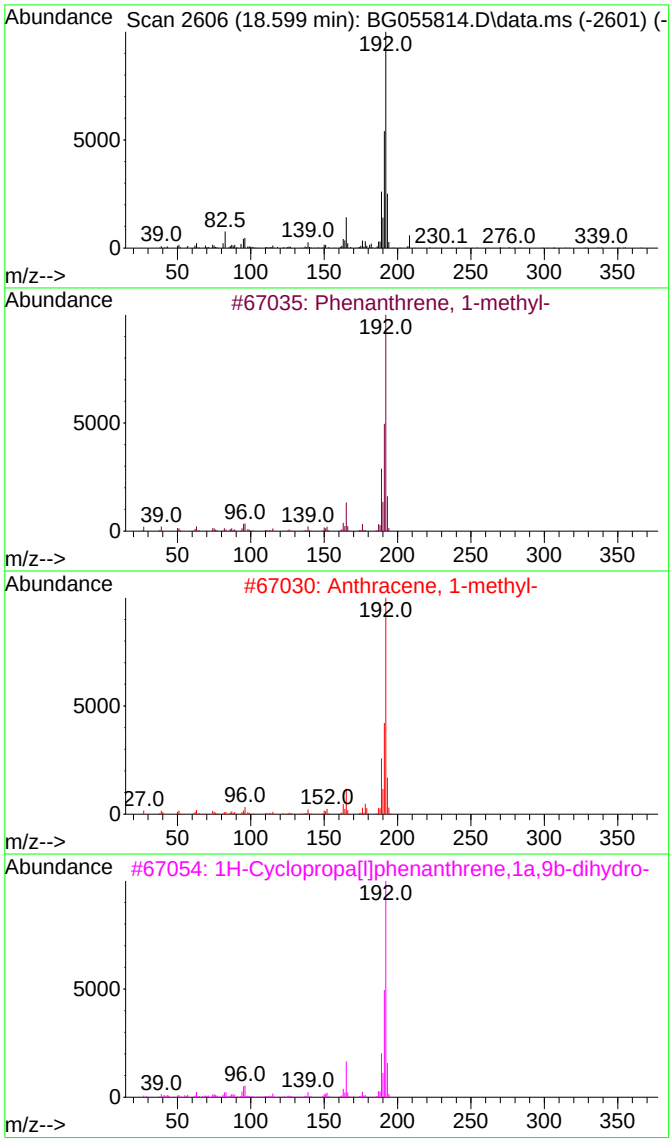
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

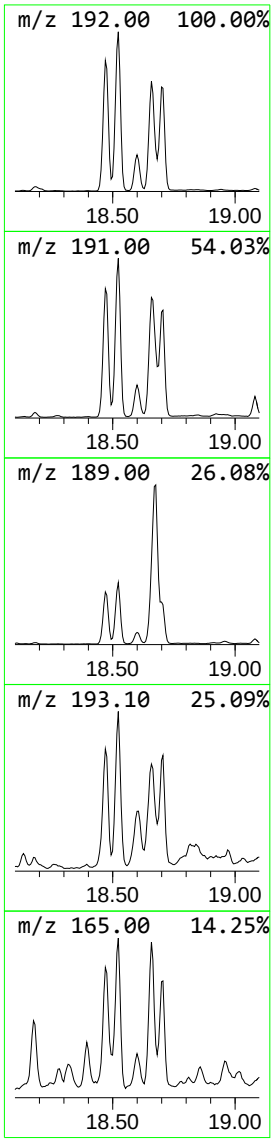
****

Peak Number 9 Anthracene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.599	13.30 ng	494689	Phenanthrene-d10	17.600

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





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Acq On : 28 Nov 2022 21:13
Operator : CG/JU
Sample : N5772-02 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
LOCATION-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

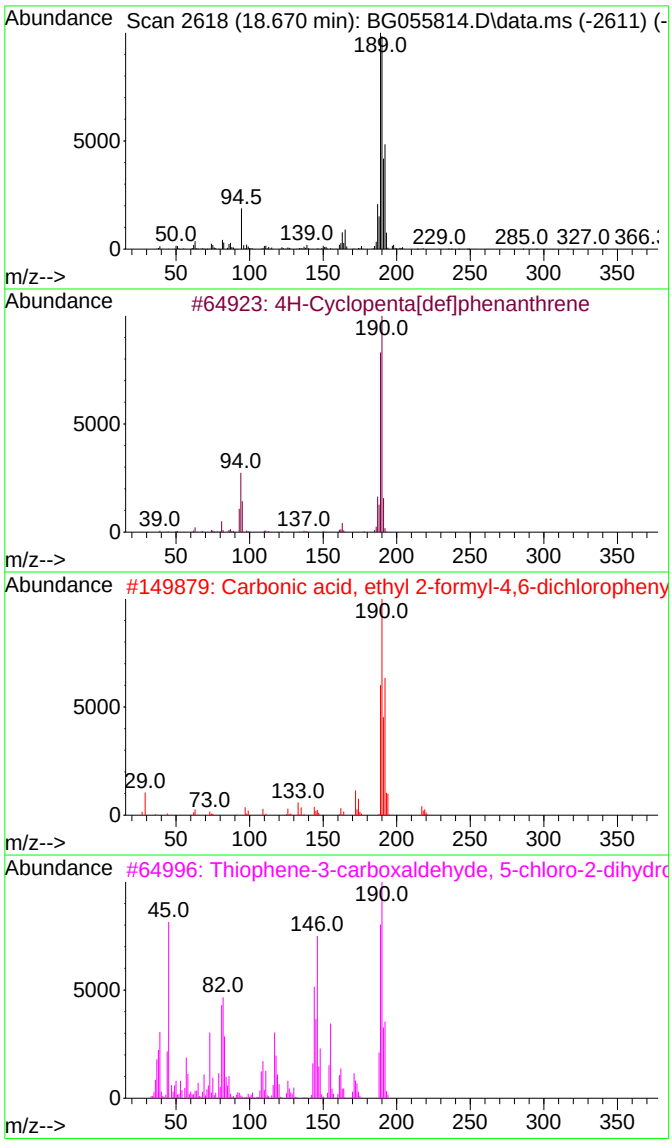
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

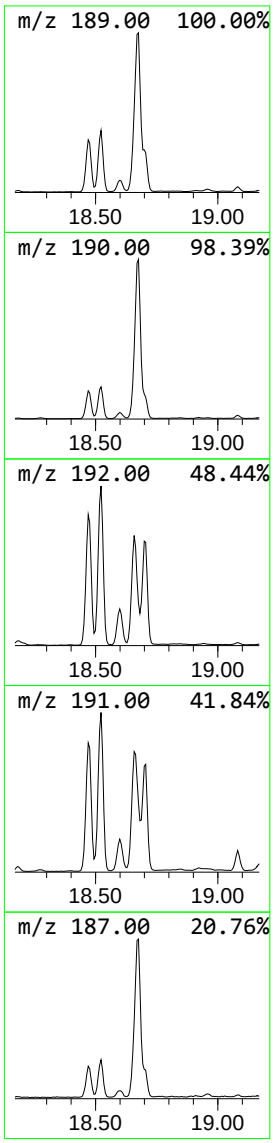
****

Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.670	88.39 ng	3286480	Phenanthrene-d10	17.600

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	53
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
4	Methyl diselenide	190	C2H6Se2	007101-31-7	45
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43





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Sample : N5772-02 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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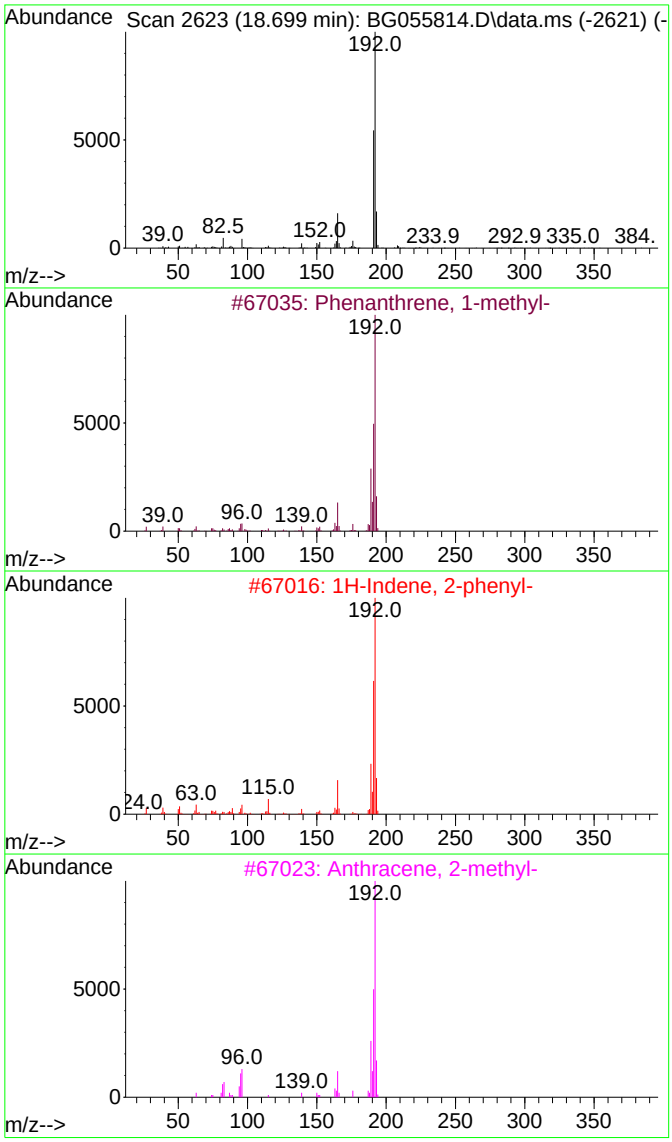
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

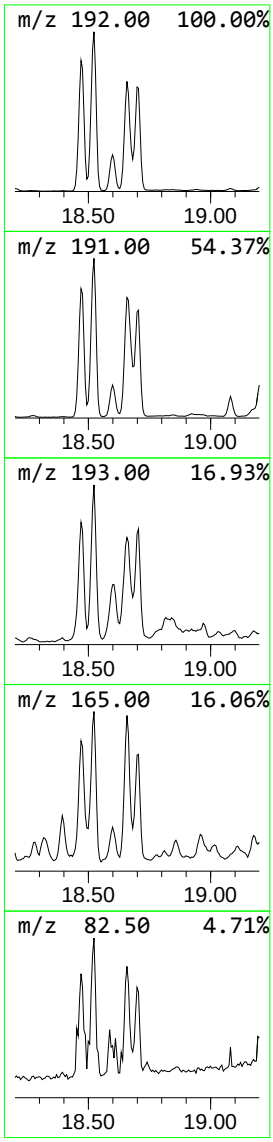
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 1H-Indene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.699	30.48 ng	1133400	Phenanthrene-d10	17.600

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	91





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Acq On : 28 Nov 2022 21:13
Operator : CG/JU
Sample : N5772-02 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
LOCATION-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.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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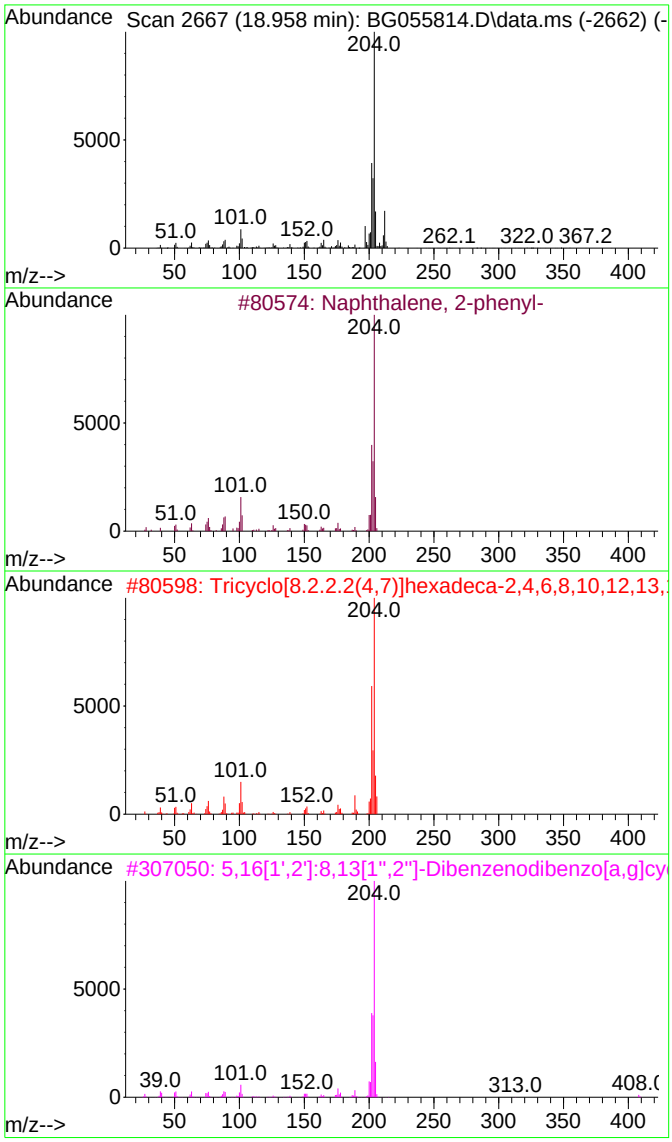
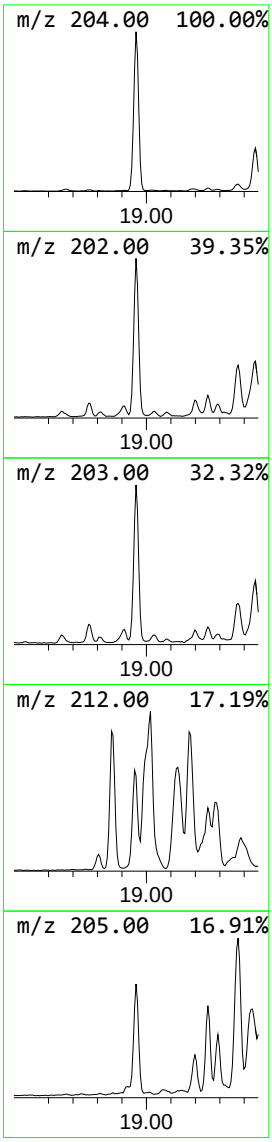
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.958	35.14 ng	1306710	Phenanthrene-d10	17.600

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	78
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	74
4	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	50
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	46





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Sample : N5772-02 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

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

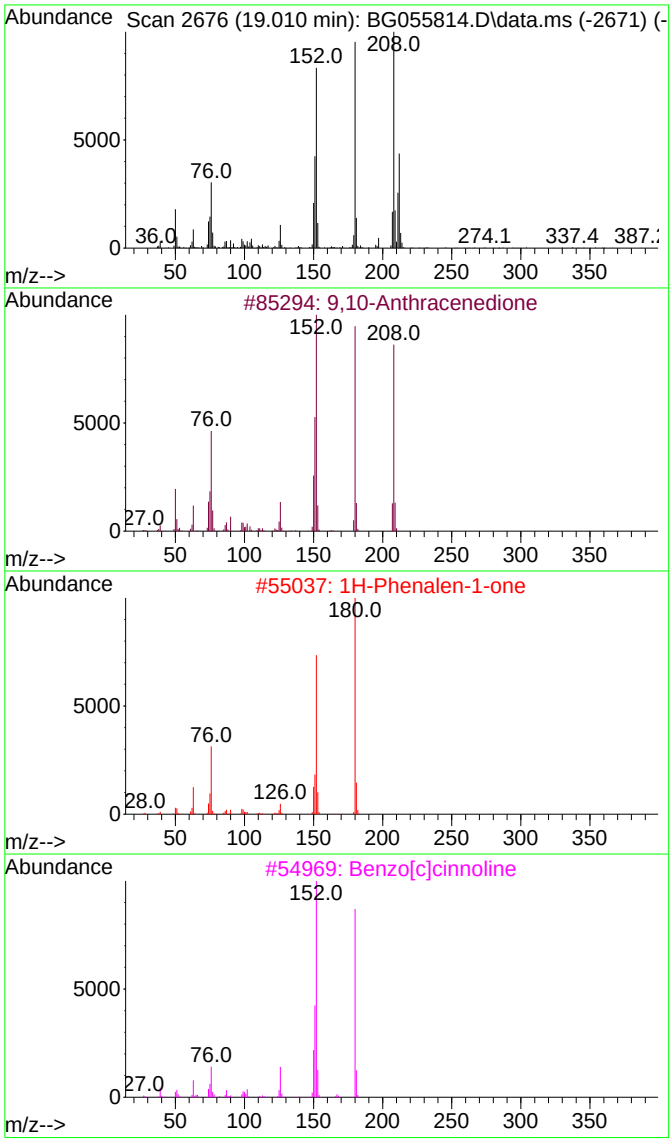
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

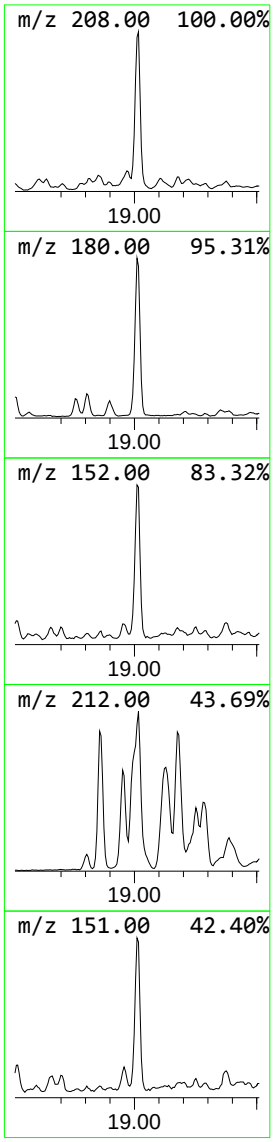
****

Peak Number 13 9,10-Anthracenedione Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.010	39.07 ng	1452700	Phenanthrene-d10	17.600

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	70
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
4	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	55
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	50





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Sample : N5772-02 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
LOCATION-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

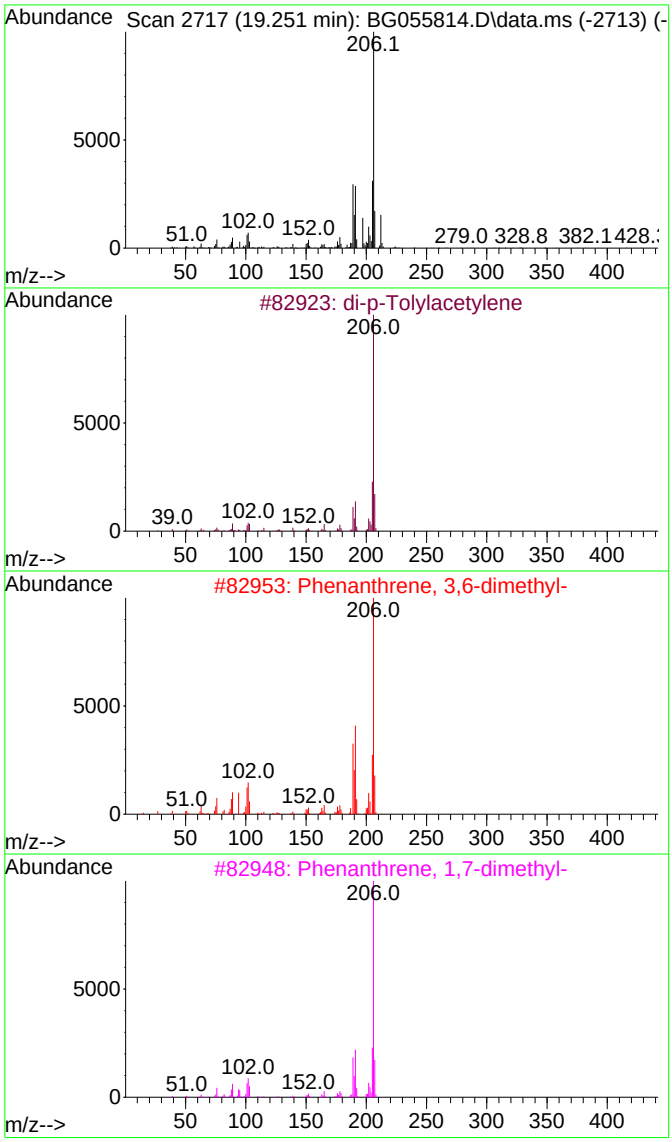
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

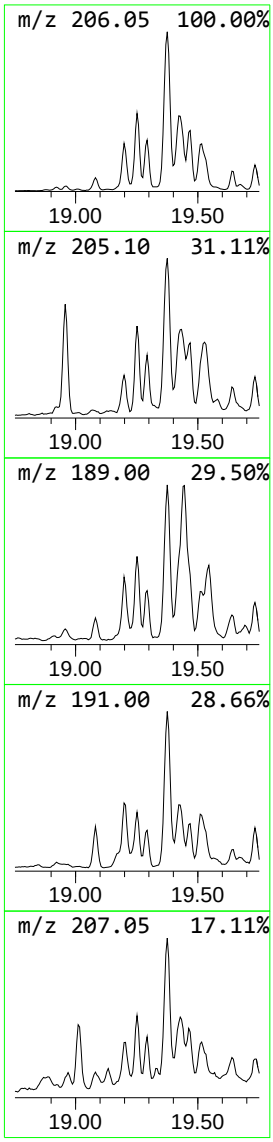
****

Peak Number 14 di-p-Tolylacetylene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.251	13.62 ng	506484	Phenanthrene-d10	17.600

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	72
5	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	68





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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
LOCATION-2

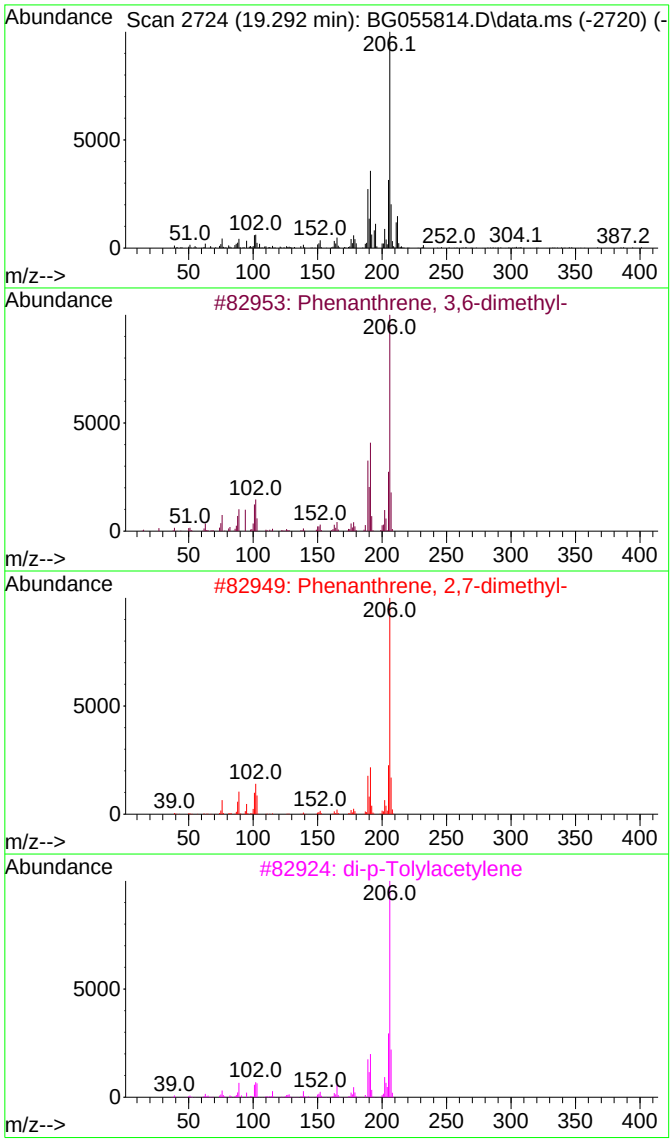
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

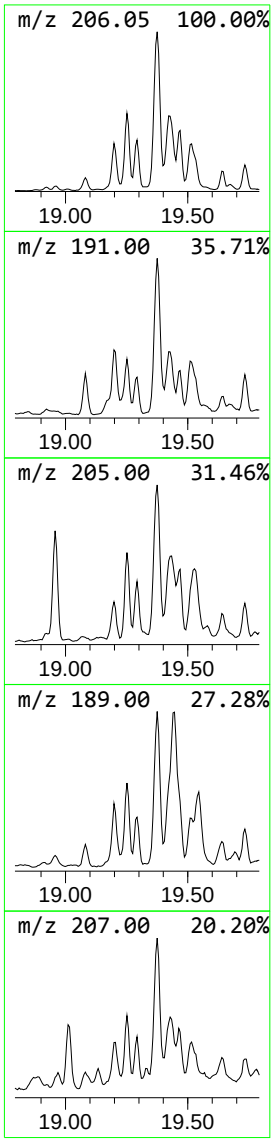
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Phenanthrene, 3,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.292	13.76 ng	511807	Phenanthrene-d10	17.600

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	81
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	76





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Operator : CG/JU
Sample : N5772-02 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
LOCATION-2

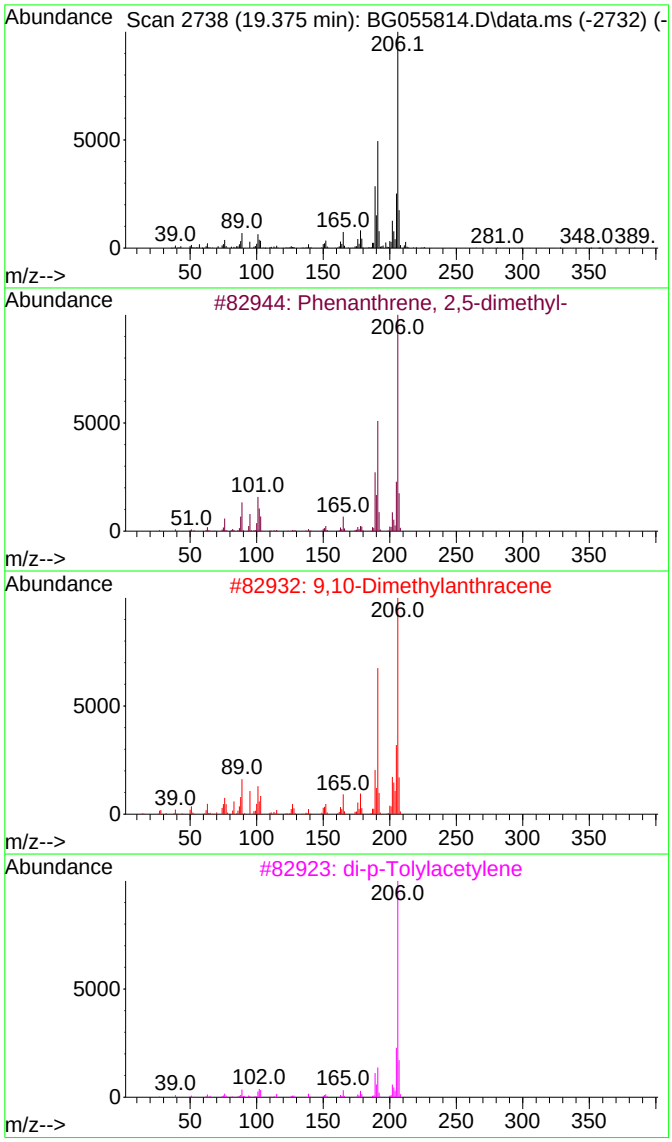
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

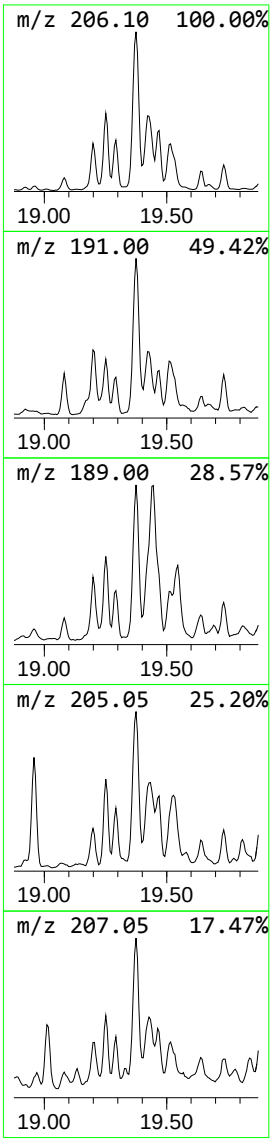
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.375	48.84 ng	1816190	Phenanthrene-d10	17.600

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87





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Acq On : 28 Nov 2022 21:13
Operator : CG/JU
Sample : N5772-02 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
LOCATION-2

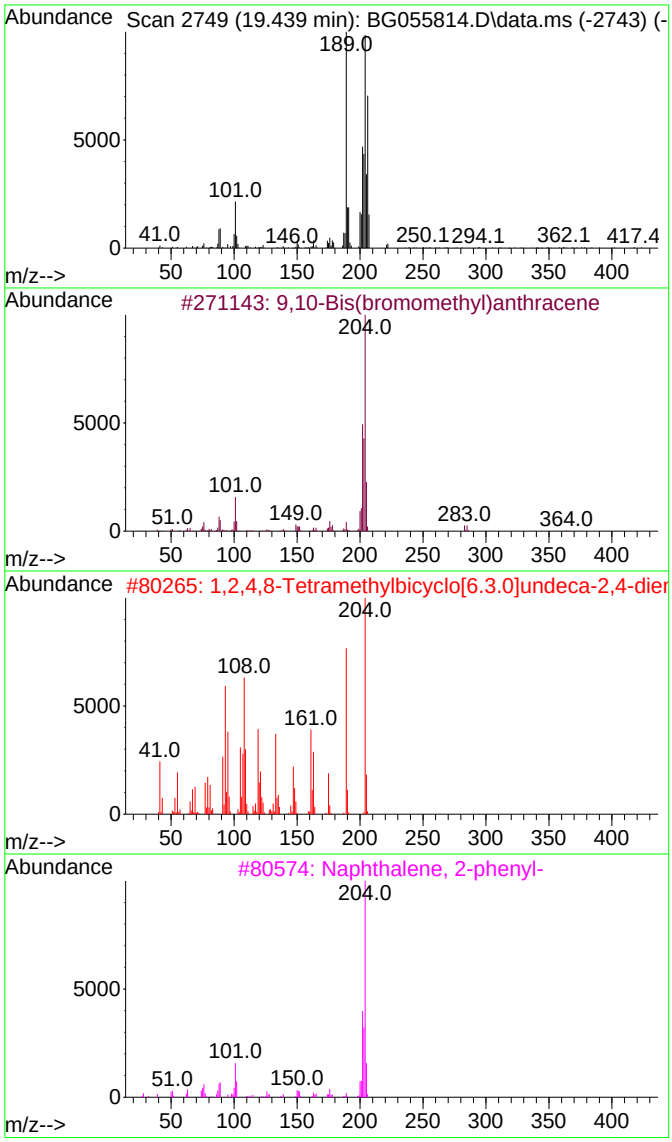
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

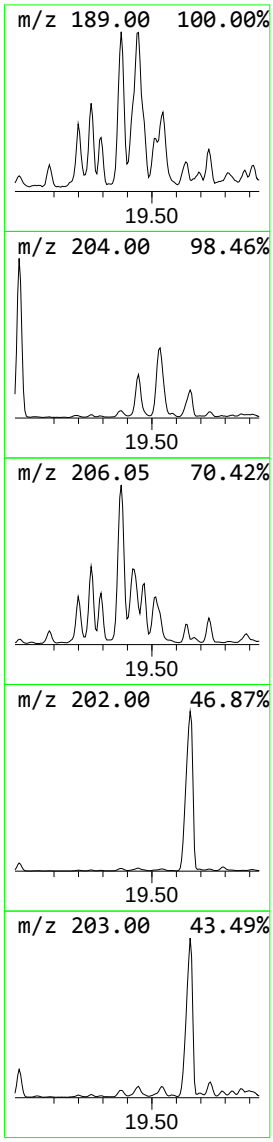
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 9,10-Bis(bromomethyl)anthra... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.439	16.68 ng	620250	Phenanthrene-d10	17.600

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	52
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	43
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	41
4	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	41
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	41





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112822\
Data File : BG055814.D
Acq On : 28 Nov 2022 21:13
Operator : CG/JU
Sample : N5772-02 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
LOCATION-2

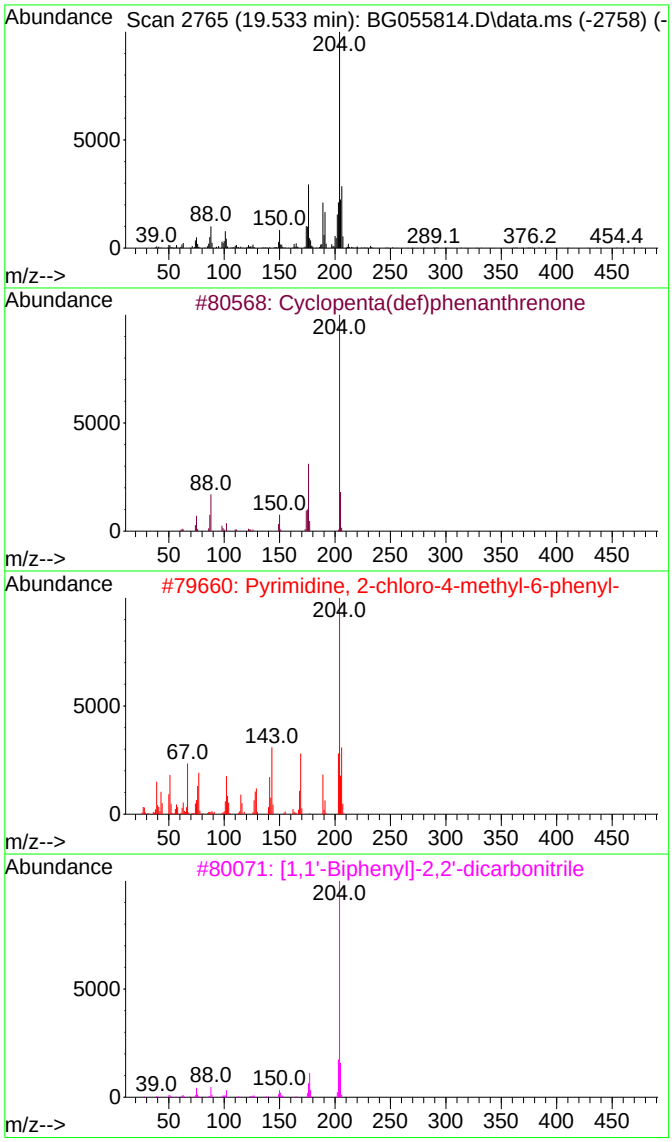
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

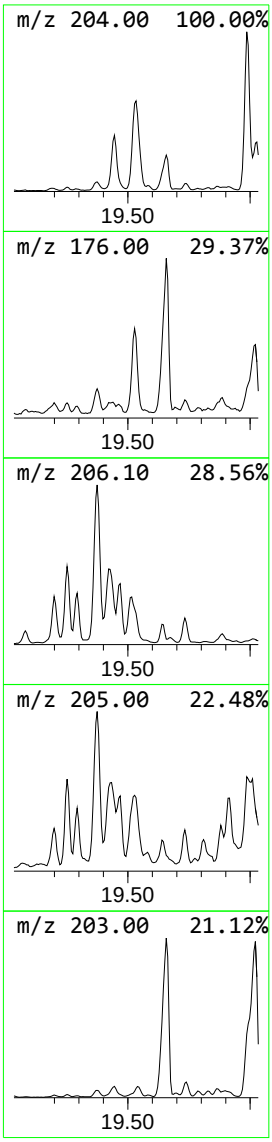
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.533	32.53 ng	1209470	Phenanthrene-d10	17.600

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	83
2	Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	52
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	49
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112822\
Data File : BG055814.D
Acq On : 28 Nov 2022 21:13
Operator : CG/JU
Sample : N5772-02 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
LOCATION-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

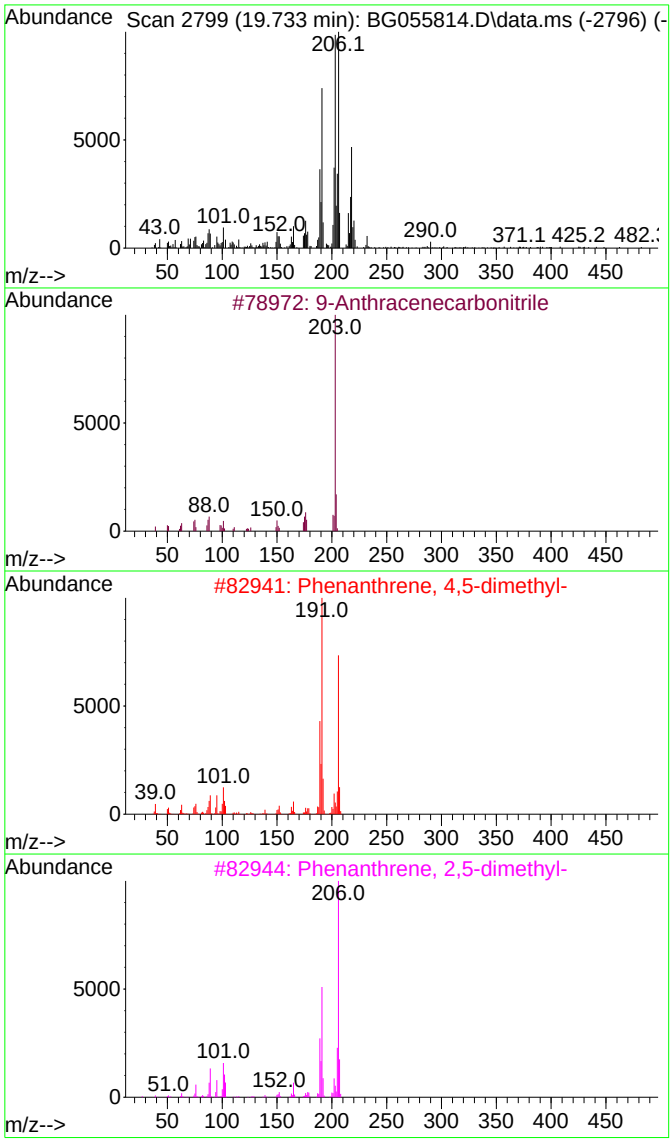
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

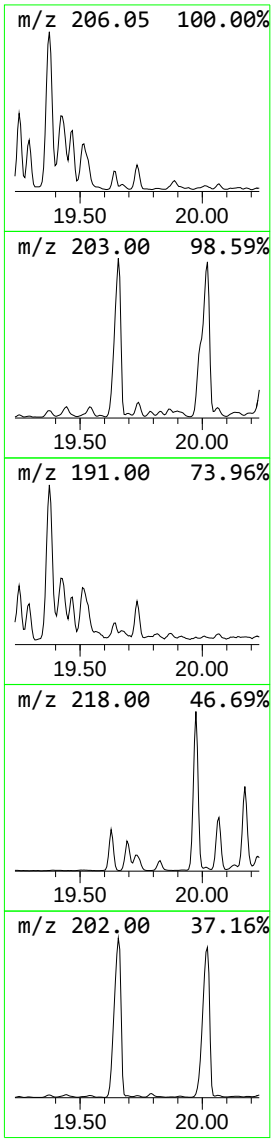
****

Peak Number 19 9-Anthracenecarbonitrile Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.733	12.37 ng	460093	Phenanthrene-d10	17.600

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	53
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	50
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	50
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	50
5	Phenanthrene, 9,10-dimethyl-	206	C16H14	000604-83-1	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112822\
Data File : BG055814.D
Acq On : 28 Nov 2022 21:13
Operator : CG/JU
Sample : N5772-02 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
LOCATION-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

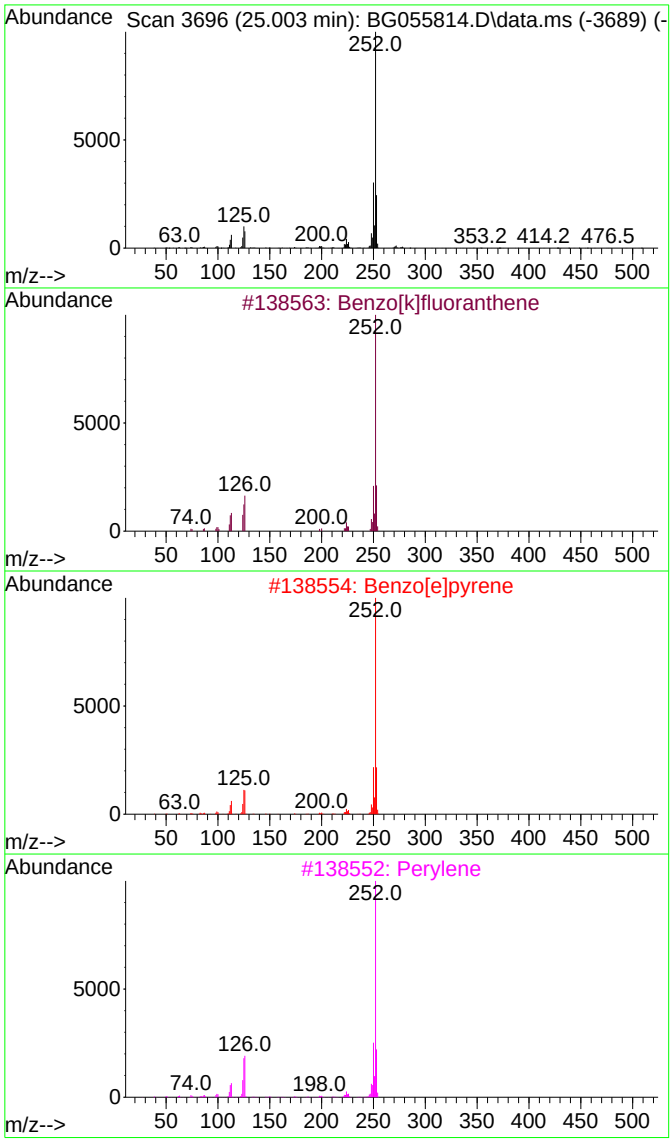
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

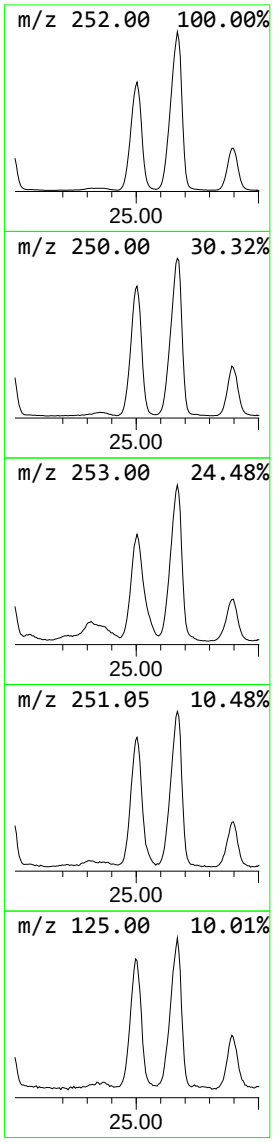
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.003	13.60 ng	3144160	Perylene-d12	25.315

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
2	Benzo[e]pyrene	252	C20H12	000192-97-2	96
3	Perylene	252	C20H12	000198-55-0	94
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	91
5	Benzo[a]pyrene	252	C20H12	000050-32-8	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112822\
Data File : BG055814.D
Acq On : 28 Nov 2022 21:13
Operator : CG/JU
Sample : N5772-02 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
LOCATION-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.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, 1,...	14.175	15.5	ng	489759	3	14.857	633044	20.0
Dibenzofuran, 4...	16.190	19.3	ng	610549	3	14.857	633044	20.0
9H-Fluorene, 1-...	16.895	16.7	ng	620445	4	17.600	743657	20.0
Dibenzothiophene	17.418	20.6	ng	766701	4	17.600	743657	20.0
4-Methylnaphtho...	18.176	21.8	ng	810356	4	17.600	743657	20.0
Dibenzothiophen...	18.323	16.5	ng	612717	4	17.600	743657	20.0
Phenanthrene, 2...	18.470	53.3	ng	1981040	4	17.600	743657	20.0
Phenanthrene, 1...	18.523	59.4	ng	2209800	4	17.600	743657	20.0
Anthracene, 1-m...	18.599	13.3	ng	494689	4	17.600	743657	20.0
4H-Cyclopenta[d...	18.670	88.4	ng	3286480	4	17.600	743657	20.0
1H-Indene, 2-ph...	18.699	30.5	ng	1133400	4	17.600	743657	20.0
Naphthalene, 2-...	18.958	35.1	ng	1306710	4	17.600	743657	20.0
9,10-Anthracene...	19.010	39.1	ng	1452700	4	17.600	743657	20.0
di-p-Tolylacety...	19.251	13.6	ng	506484	4	17.600	743657	20.0
Phenanthrene, 3...	19.292	13.8	ng	511807	4	17.600	743657	20.0
Phenanthrene, 2...	19.375	48.8	ng	1816190	4	17.600	743657	20.0
9,10-Bis(bromom...	19.439	16.7	ng	620250	4	17.600	743657	20.0
Cyclopenta(def)...	19.533	32.5	ng	1209470	4	17.600	743657	20.0
9-Anthracenecar...	19.733	12.4	ng	460093	4	17.600	743657	20.0
Benzo[e]pyrene	25.003	13.6	ng	3144160	6	25.315	4624290	20.0