LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052323\
Data File : BG057528.D
Acq On : 23 May 2023 20:44
Operator : CG/JU
Sample : 02892-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TP-29

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-BG042723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG057528.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.384	310	314	320	rBV	9999	16361	1.14%	0.107%
2	5.878	391	398	407	rBV	172371	300532	20.98%	1.972%
3	7.012	583	591	599	rVB	524937	881968	61.58%	5.786%
4	7.323	639	644	649	rBV2	10854	17099	1.19%	0.112%
5	7.499	667	674	692	rBV	185140	341332	23.83%	2.239%
6	7.781	717	722	727	rBV2	15108	22277	1.56%	0.146%
7	8.045	761	767	774	rBV	28769	48323	3.37%	0.317%
8	8.357	814	820	827	rVB	72102	120520	8.41%	0.791%
9	8.480	835	841	849	rBV	27771	45077	3.15%	0.296%
10	9.537	1013	1021	1031	rBV	116009	217565	15.19%	1.427%
11	11.194	1294	1303	1308	rBV	96021	173353	12.10%	1.137%
12	11.241	1308	1311	1318	rVB	36697	59859	4.18%	0.393%
13	12.827	1575	1581	1586	rBV	19937	31365	2.19%	0.206%
14	13.039	1610	1617	1623	rBV2	9722	16080	1.12%	0.105%
15	13.597	1705	1712	1720	rVB	293882	458668	32.02%	3.009%
16	13.755	1732	1739	1744	rBV3	14844	25648	1.79%	0.168%
17	14.155	1797	1807	1811	rBV4	9809	27000	1.89%	0.177%
18	14.290	1825	1830	1836	rVB3	10287	18034	1.26%	0.118%
19	14.384	1843	1846	1855	rVB5	12501	25288	1.77%	0.166%
20	14.701	1893	1900	1905	rBV4	16205	29880	2.09%	0.196%
21	14.971	1941	1946	1952	rVB	156073	243807	17.02%	1.599%
22	15.036	1952	1957	1962	rBV4	17195	26622	1.86%	0.175%
23	15.365	2006	2013	2020	rBV3	26262	46849	3.27%	0.307%
24	15.424	2020	2023	2032	rVB4	9152	16124	1.13%	0.106%
25	15.576	2041	2049	2052	rBV8	10365	20217	1.41%	0.133%
26	15.623	2052	2057	2063	rVB8	7857	17445	1.22%	0.114%
27	15.758	2072	2080	2088	rVB4	17713	37579	2.62%	0.247%
28	16.011	2117	2123	2131	rBV	27144	53622	3.74%	0.352%
29	16.299	2169	2172	2178	rVB3	17719	27985	1.95%	0.184%
30	16.458	2192	2199	2205	rBV	267898	434284	30.32%	2.849%
31	16.616	2222	2226	2228	rBV4	18055	25565	1.78%	0.168%
32	16.640	2228	2230	2234	rVB3	14268	19469	1.36%	0.128%
33	17.274	2335	2338	2346	rVB9	13150	25822	1.80%	0.169%
34	17.368	2349	2354	2358	rBV	21939	32720	2.28%	0.215%
35	17.403	2358	2360	2363	rBV2	14034	18032	1.26%	0.118%
36	17.533	2378	2382	2387	rVB	19077	25548	1.78%	0.168%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052323\
Data File : BG057528.D
Acq On : 23 May 2023 20:44
Operator : CG/JU
Sample : 02892-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-29

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-BG042723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	17.715	2407	2413	2416	rBV	201579	311723	21.76%	2.045%
38	17.756	2416	2420	2427	rVB	329610	485949	33.93%	3.188%
39	17.844	2430	2435	2442	rBV	68773	118469	8.27%	0.777%
40	18.114	2476	2481	2484	rBV	33438	56684	3.96%	0.372%
41	18.214	2495	2498	2503	rBV	13140	21071	1.47%	0.138%
42	18.549	2551	2555	2557	rBV2	46233	60258	4.21%	0.395%
43	18.578	2557	2560	2564	rVV	64962	89056	6.22%	0.584%
44	18.625	2564	2568	2575	rVB	92597	141373	9.87%	0.927%
45	18.707	2579	2582	2586	rVB	35286	44720	3.12%	0.293%
46	18.778	2588	2594	2597	rBV2	98533	197596	13.80%	1.296%
47	18.913	2615	2617	2622	rVB5	13681	15464	1.08%	0.101%
48	19.060	2638	2642	2647	rBV	60108	93272	6.51%	0.612%
49	19.119	2648	2652	2658	rVB2	57449	87198	6.09%	0.572%
50	19.360	2689	2693	2696	rBV	25030	33073	2.31%	0.217%
51	19.477	2709	2713	2717	rBV2	56819	80807	5.64%	0.530%
52	19.630	2734	2739	2749	rBV3	53645	112269	7.84%	0.737%
53	19.747	2753	2759	2764	rBV	959849	1347747	94.10%	8.842%
54	20.070	2809	2814	2816	rBV2	158588	256602	17.92%	1.683%
55	20.111	2816	2821	2827	rVV	987017	1422696	99.33%	9.334%
56	20.170	2827	2831	2836	rVB2	58111	91359	6.38%	0.599%
57	20.282	2845	2850	2854	rVB	493341	645627	45.08%	4.236%
58	20.423	2869	2874	2880	rVB3	83394	180674	12.61%	1.185%
59	20.587	2900	2902	2908	rVB	188184	237984	16.62%	1.561%
60	20.687	2915	2919	2922	rBV	123265	162644	11.36%	1.067%
61	20.893	2950	2954	2958	rBV	96040	146090	10.20%	0.958%
62	20.940	2959	2962	2970	rVB	89024	149060	10.41%	0.978%
63	21.386	3034	3038	3047	rVB2	79198	185628	12.96%	1.218%
64	21.674	3084	3087	3092	rBV2	98103	146570	10.23%	0.962%
65	21.932	3128	3131	3135	rBV5	70870	88548	6.18%	0.581%
66	22.009	3138	3144	3152	rVV2	551007	1432266	100.00%	9.396%
67	22.079	3152	3156	3168	rVB	463239	829174	57.89%	5.440%
68	22.244	3180	3184	3190	rVB	115658	187721	13.11%	1.232%
69	24.429	3548	3556	3563	rBV	303091	1013050	70.73%	6.646%
70	25.387	3713	3719	3732	rVB	287217	822438	57.42%	5.396%

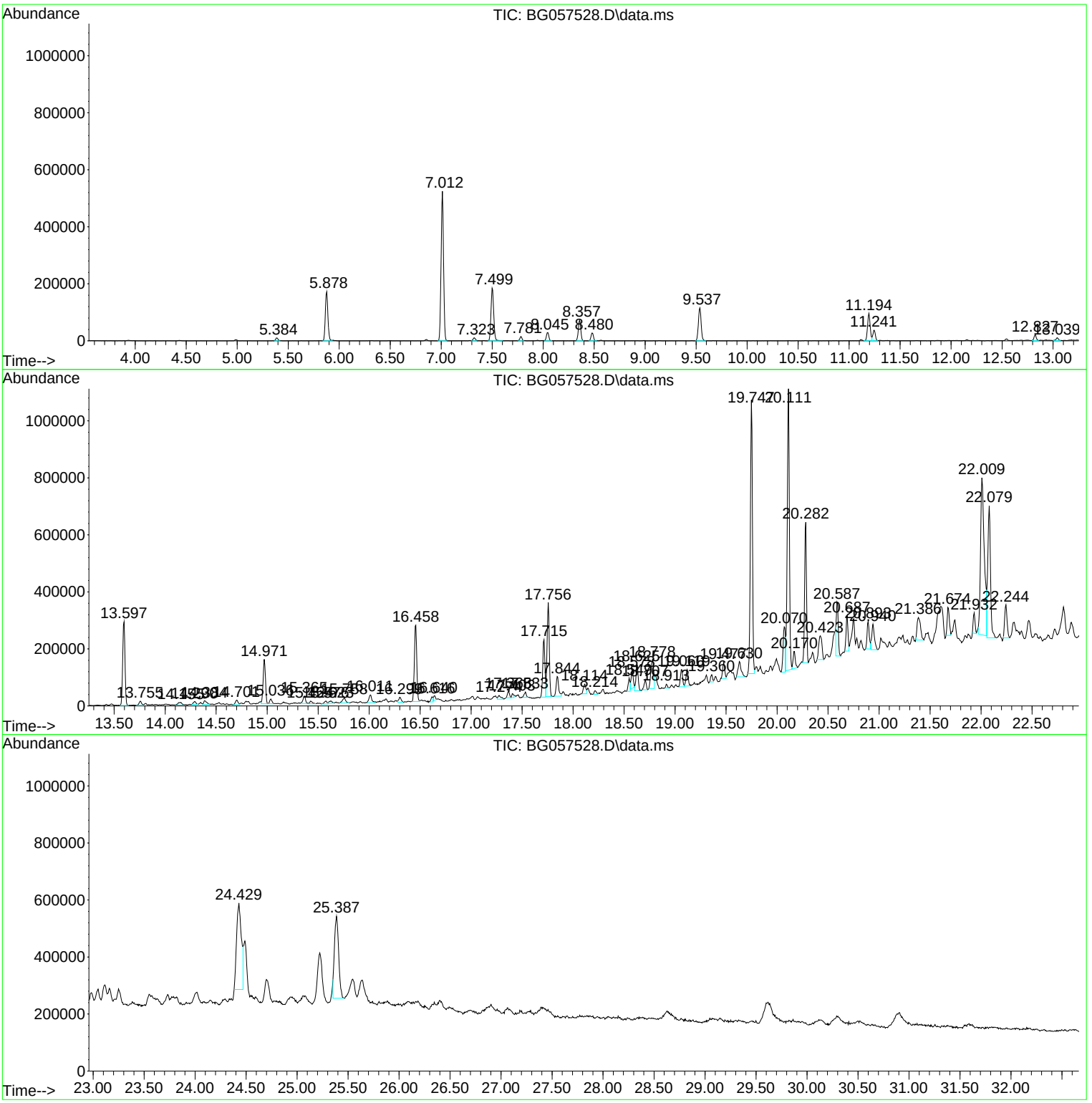
Sum of corrected areas: 15242779

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052323\
Data File : BG057528.D
Acq On : 23 May 2023 20:44
Operator : CG/JU
Sample : 02892-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-29

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.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\BG052323\
Data File : BG057528.D
Acq On : 23 May 2023 20:44
Operator : CG/JU
Sample : 02892-13
Misc :
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Instrument :
BNA_G
ClientSampleId :
TP-29

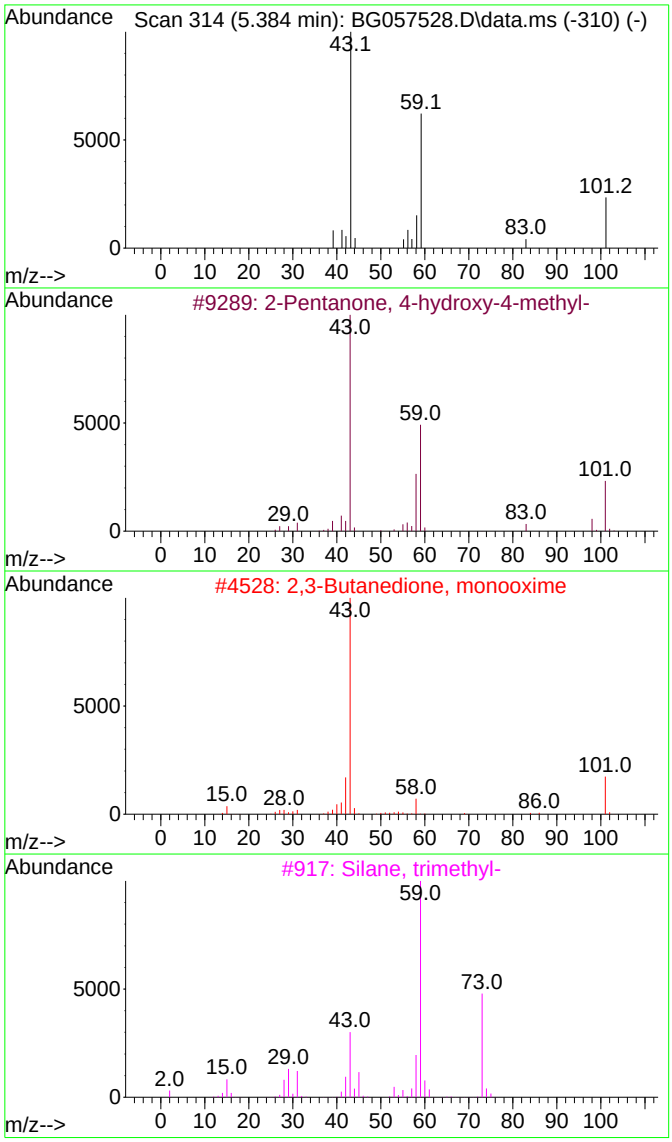
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

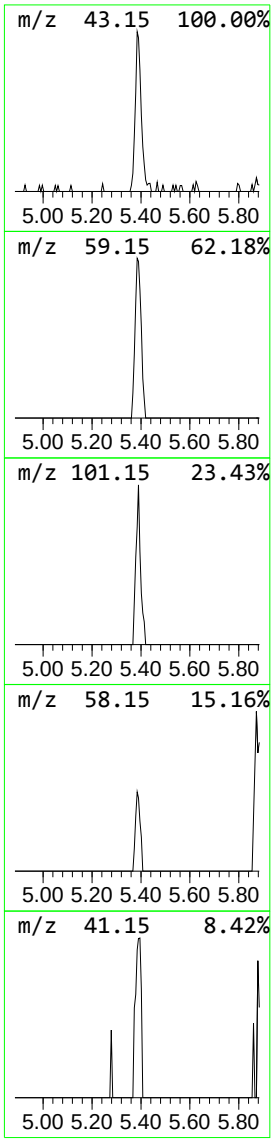
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.384	2.72 ng	16361	1,4-Dichlorobenzene-d4	8.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
3	Silane, trimethyl-	74	C3H10Si	000993-07-7	9
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	9
5	1,3-Dioxane, 4,4-dimethyl-	116	C6H12O2	000766-15-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052323\
Data File : BG057528.D
Acq On : 23 May 2023 20:44
Operator : CG/JU
Sample : 02892-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-29

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

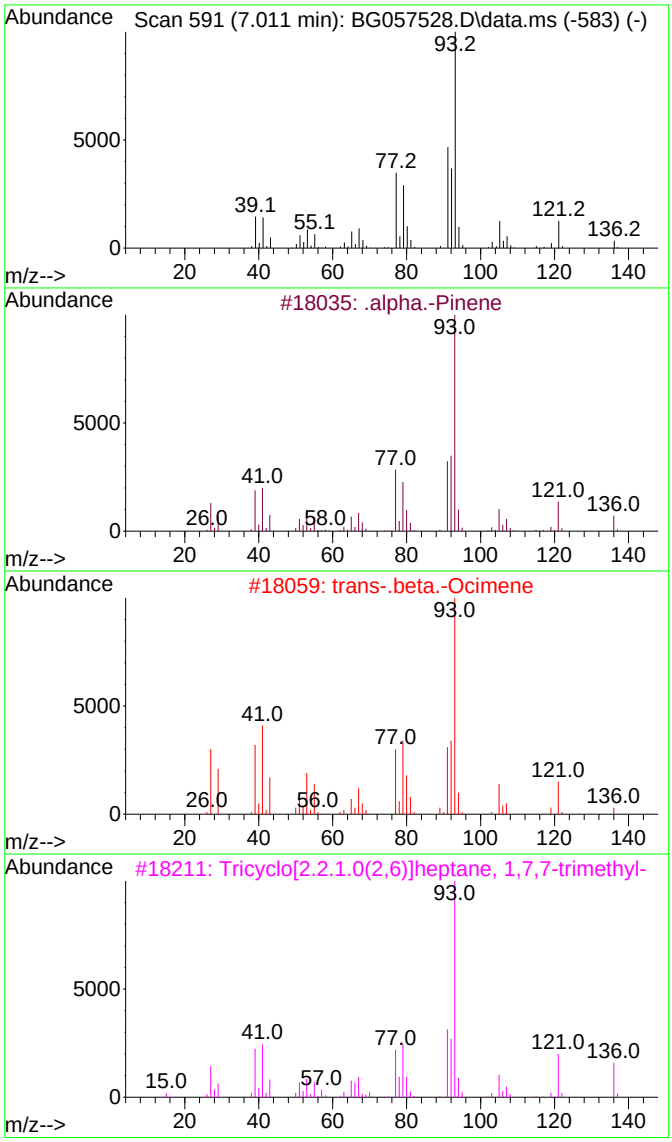
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

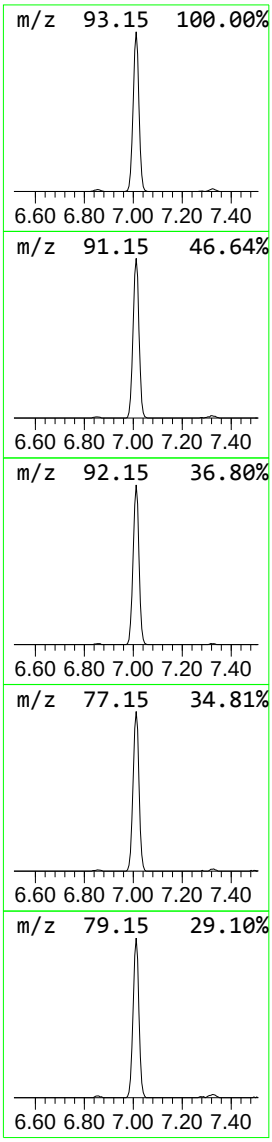
****

Peak Number 2 .alpha.-Pinene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.011	146.36 ng	881968	1,4-Dichlorobenzene-d4	8.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Pinene	136	C10H16	000080-56-8	95
2	trans-.beta.-Ocimene	136	C10H16	003779-61-1	91
3	Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	91
4	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	91
5	Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000488-97-1	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052323\
Data File : BG057528.D
Acq On : 23 May 2023 20:44
Operator : CG/JU
Sample : 02892-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-29

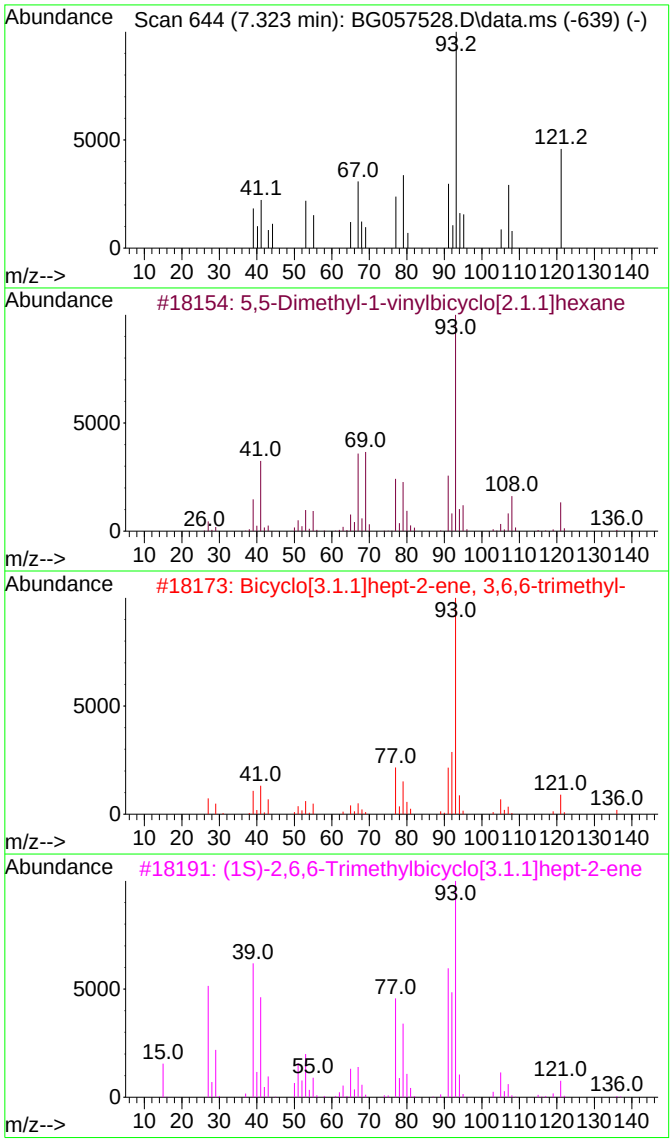
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

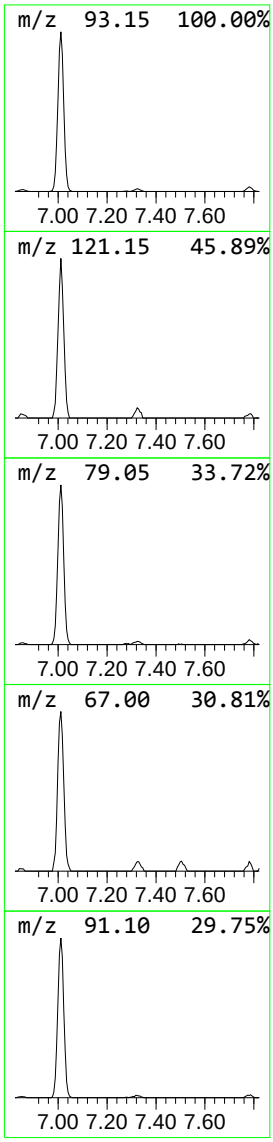
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 5,5-Dimethyl-1-vinylbicyclo... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.323	2.84 ng	17099	1,4-Dichlorobenzene-d4	8.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,5-Dimethyl-1-vinylbicyclo[2.1....	136	C10H16	016626-39-4	50
2	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	37
3	(1S)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-26-4	30
4	Bicyclo[3.2.0]heptane, 6-methylene-	108	C8H12	003642-22-6	28
5	1,4-Methano-1H-Cyclopropa[d]pyri...	136	C8H12N2	109746-10-3	23





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052323\
Data File : BG057528.D
Acq On : 23 May 2023 20:44
Operator : CG/JU
Sample : 02892-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-29

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

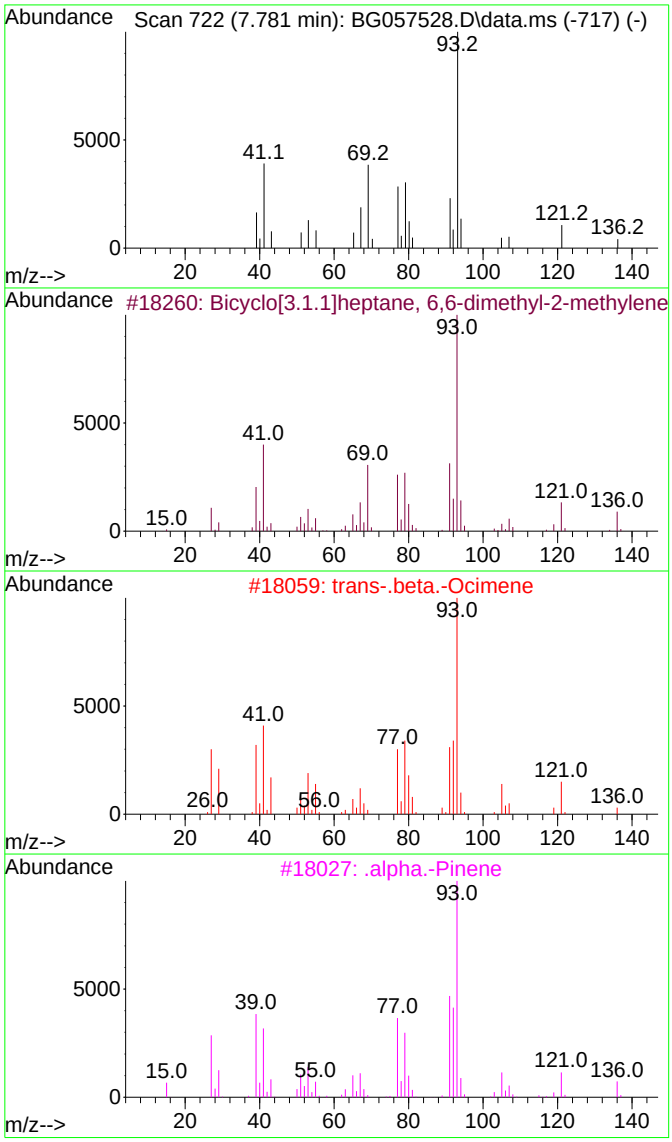
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

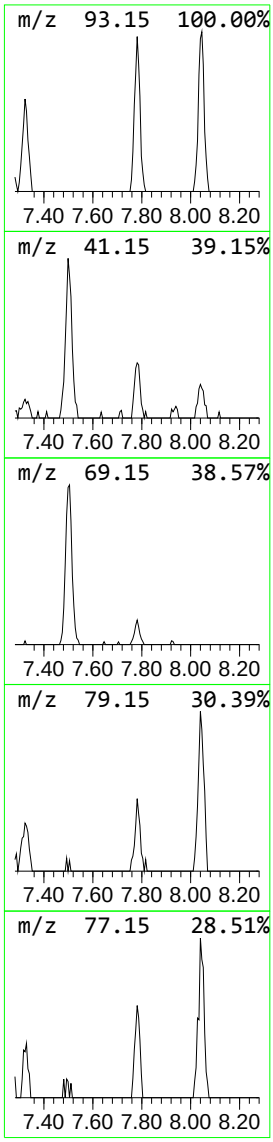
****

Peak Number 4 Bicyclo[3.1.1]heptane, 6,6-... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.781	3.70 ng	22277	1,4-Dichlorobenzene-d4	8.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	90
2	trans-.beta.-Ocimene	136	C10H16	003779-61-1	87
3	.alpha.-Pinene	136	C10H16	000080-56-8	86
4	.beta.-Pinene	136	C10H16	000127-91-3	83
5	Bicyclo[3.1.0]hex-2-ene, 4-methy...	136	C10H16	028634-89-1	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052323\
Data File : BG057528.D
Acq On : 23 May 2023 20:44
Operator : CG/JU
Sample : 02892-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-29

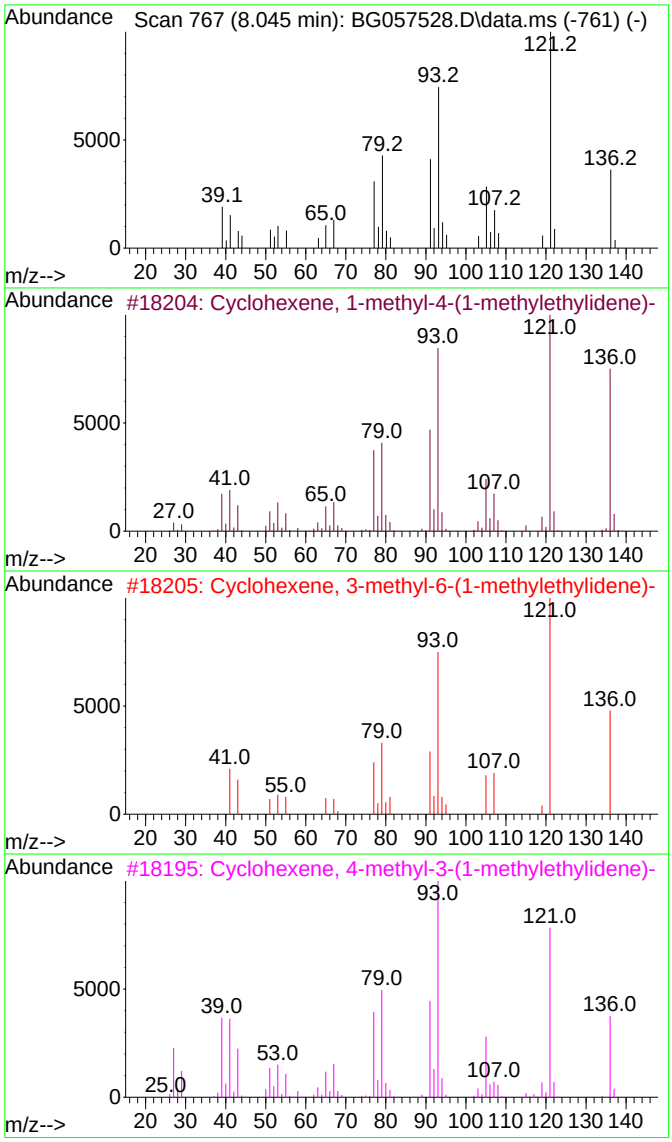
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

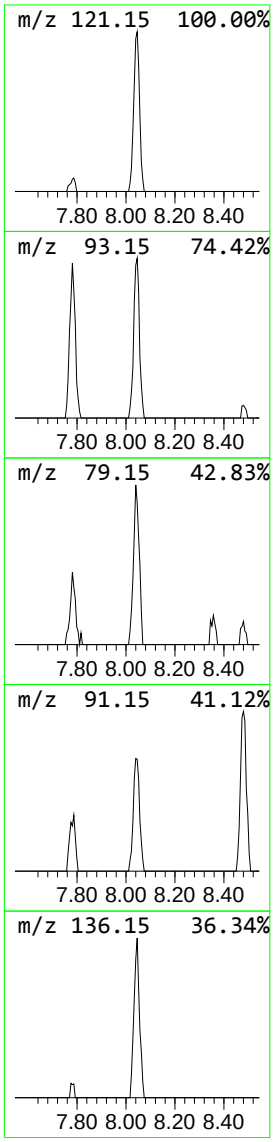
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Cyclohexene, 1-methyl-4-(1-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.045	8.02 ng	48323	1,4-Dichlorobenzene-d4	8.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	000586-62-9	96
2	Cyclohexene, 3-methyl-6-(1-methy...	136	C10H16	000586-63-0	94
3	Cyclohexene, 4-methyl-3-(1-methy...	136	C10H16	099805-90-0	93
4	1,3-Cyclohexadiene, 1-methyl-4-(...	136	C10H16	000099-86-5	93
5	Cyclohexene, 1,5,5-trimethyl-3-m...	136	C10H16	016609-28-2	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052323\
Data File : BG057528.D
Acq On : 23 May 2023 20:44
Operator : CG/JU
Sample : 02892-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-29

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

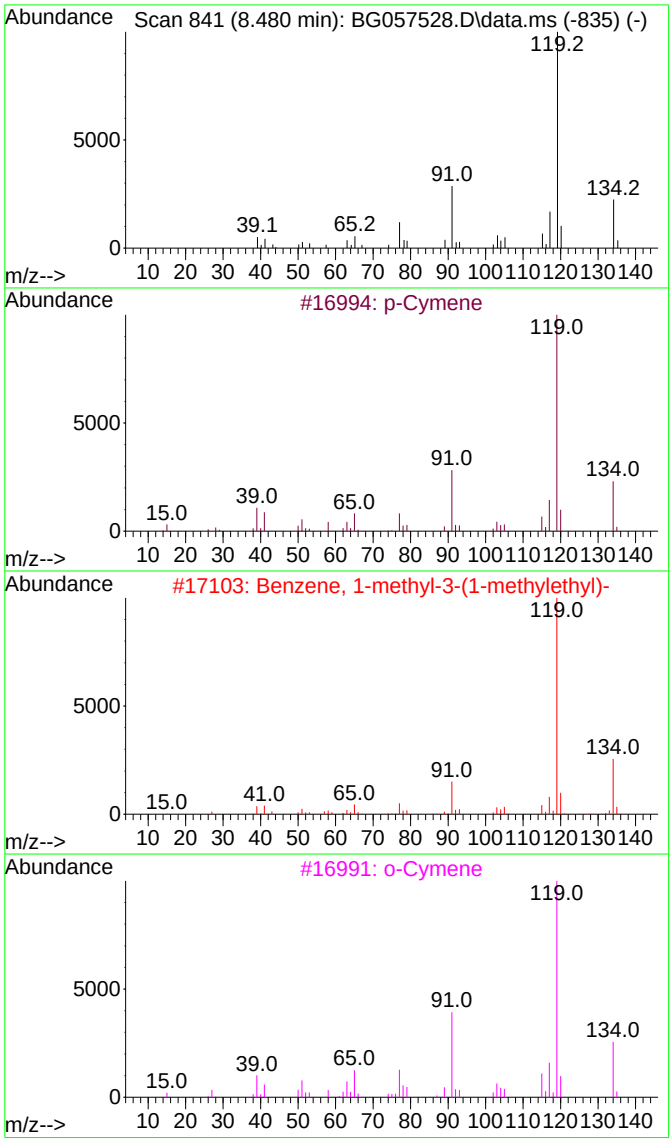
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

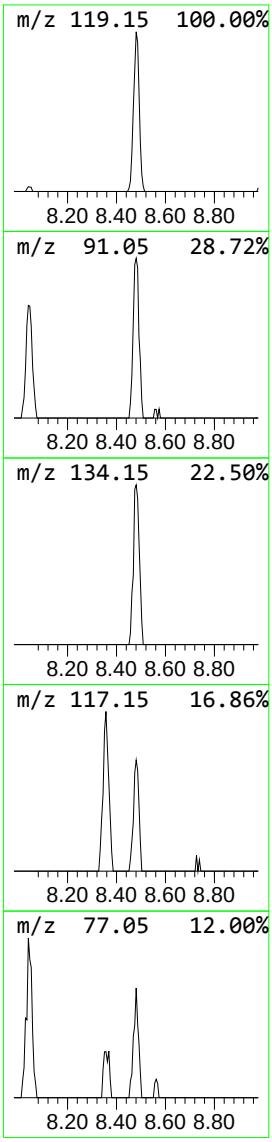
****

Peak Number 6 p-Cymene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.480	7.48 ng	45077	1,4-Dichlorobenzene-d4	8.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	95
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
3	o-Cymene	134	C10H14	000527-84-4	91
4	1,3,5-Cycloheptatriene, 3,7,7-tr...	134	C10H14	003479-89-8	91
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052323\
Data File : BG057528.D
Acq On : 23 May 2023 20:44
Operator : CG/JU
Sample : 02892-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-29

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

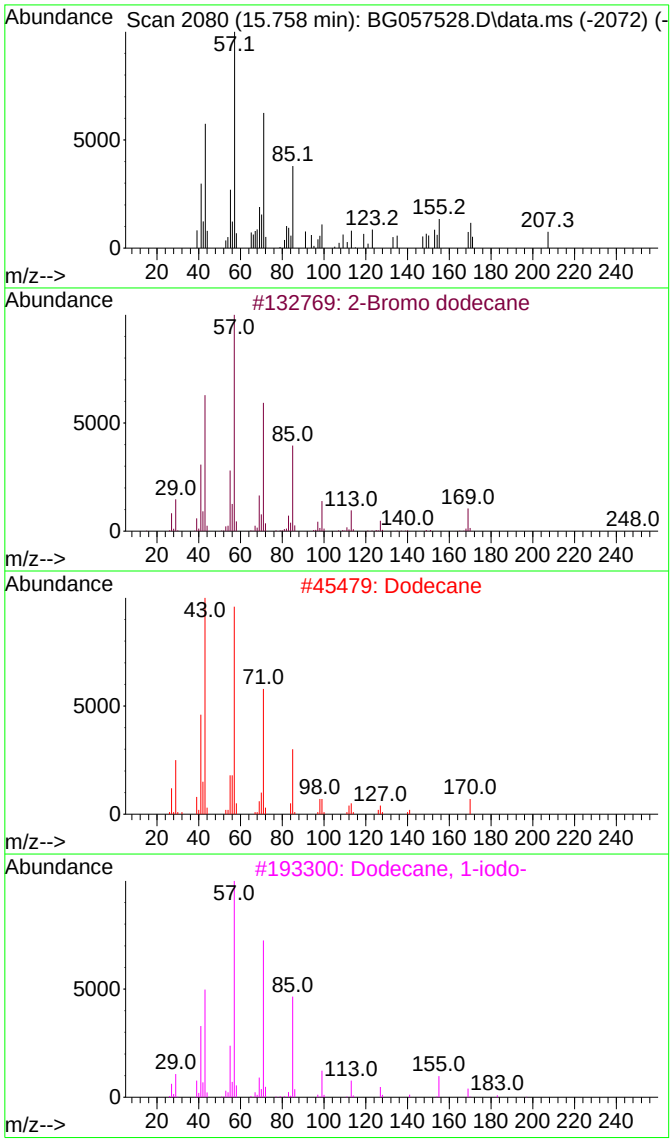
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

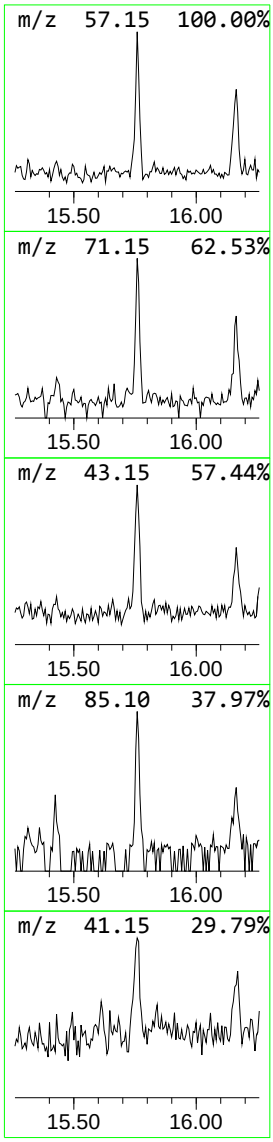
****

Peak Number 7 2-Bromo dodecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.759	3.08 ng	37579	Acenaphthene-d10	14.971

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Bromo dodecane	248	C12H25Br	013187-99-0	64
2	Dodecane	170	C12H26	000112-40-3	64
3	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	64
4	Pentadecane	212	C15H32	000629-62-9	58
5	Heneicosane	296	C21H44	000629-94-7	58





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Data File : BG057528.D
Acq On : 23 May 2023 20:44
Operator : CG/JU
Sample : 02892-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-29

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

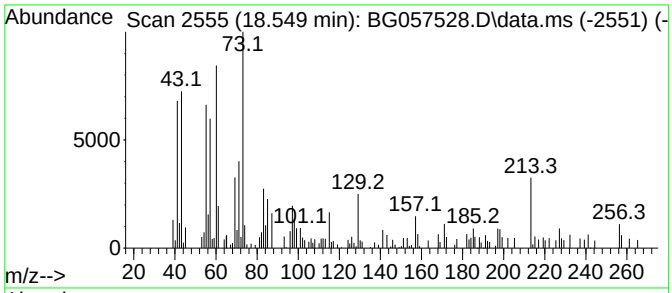
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

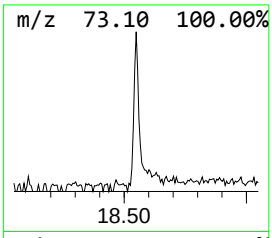
****

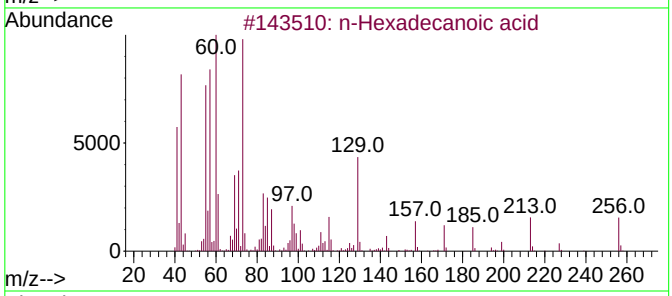
Peak Number 8 n-Hexadecanoic acid Concentration Rank 11

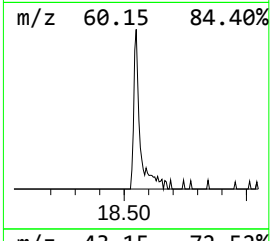
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.549	3.87 ng	60258	Phenanthrene-d10	17.715

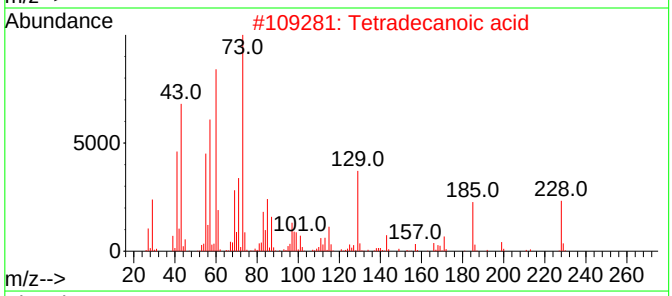
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	95
3	Tridecanoic acid	214	C13H26O2	000638-53-9	92
4	Tridecane	184	C13H28	000629-50-5	53
5	n-Decanoic acid	172	C10H20O2	000334-48-5	53

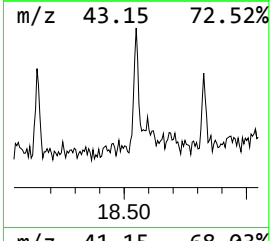


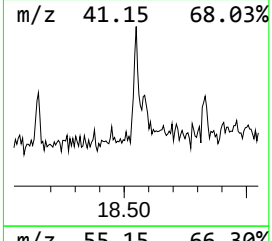


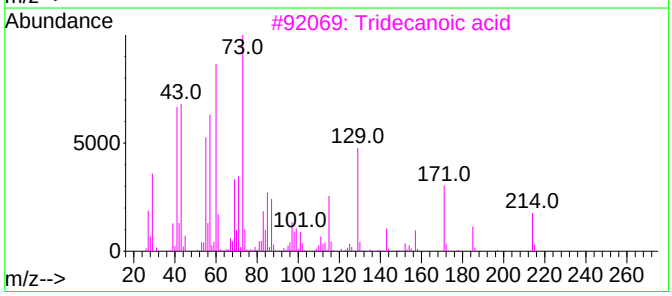


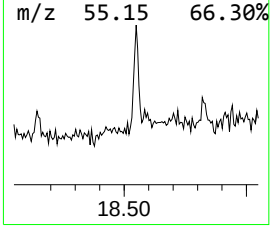












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Data File : BG057528.D
Acq On : 23 May 2023 20:44
Operator : CG/JU
Sample : 02892-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-29

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

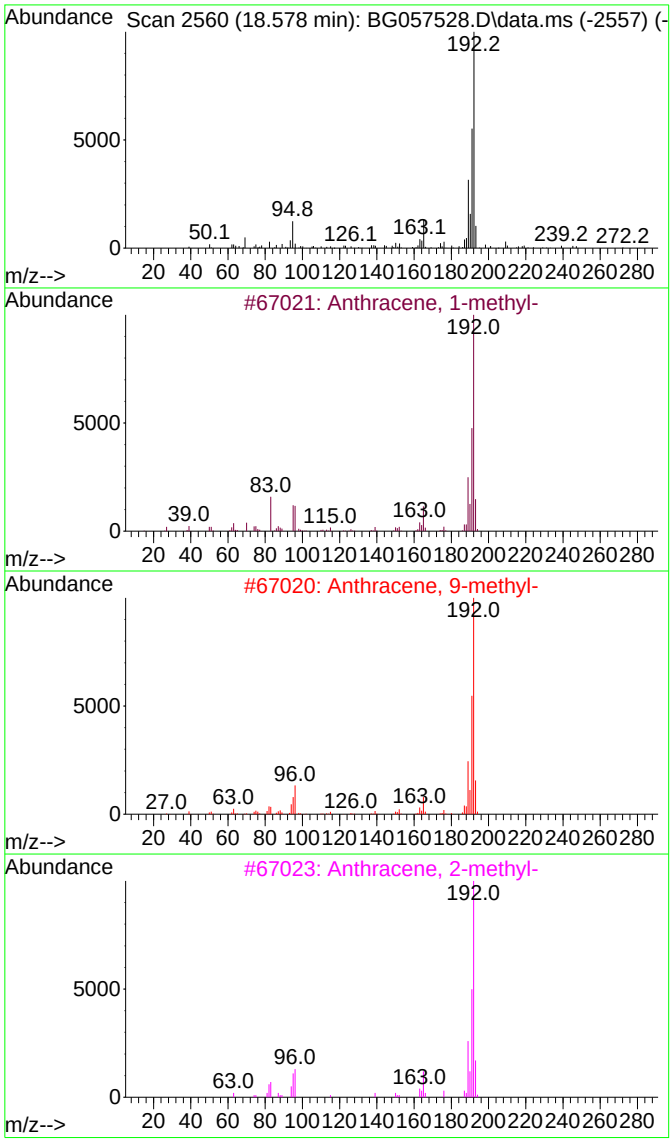
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

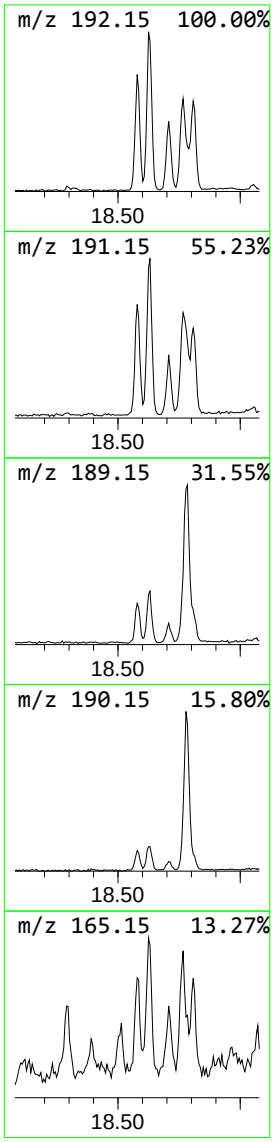
****

Peak Number 9 Anthracene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.578	5.71 ng	89056	Phenanthrene-d10	17.715

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	81
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	76
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052323\
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Acq On : 23 May 2023 20:44
Operator : CG/JU
Sample : 02892-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-29

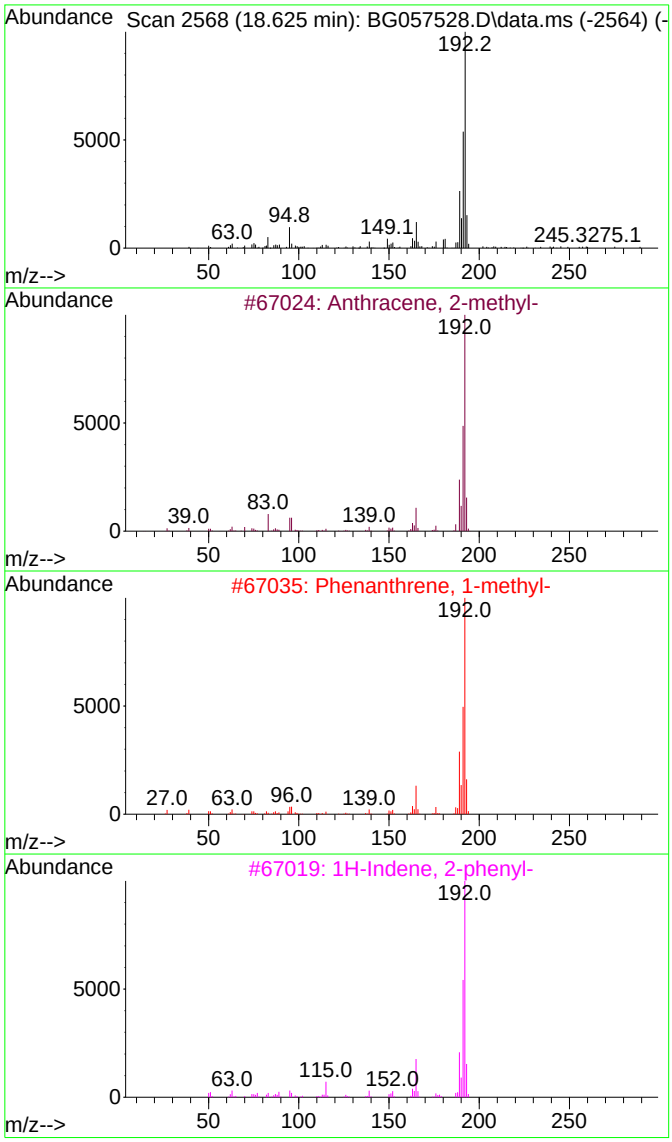
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

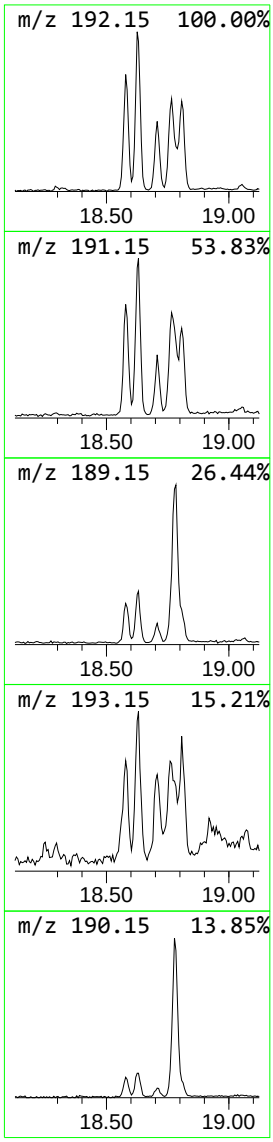
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.625	9.07 ng	141373	Phenanthrene-d10	17.715

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052323\
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Acq On : 23 May 2023 20:44
Operator : CG/JU
Sample : 02892-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-29

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

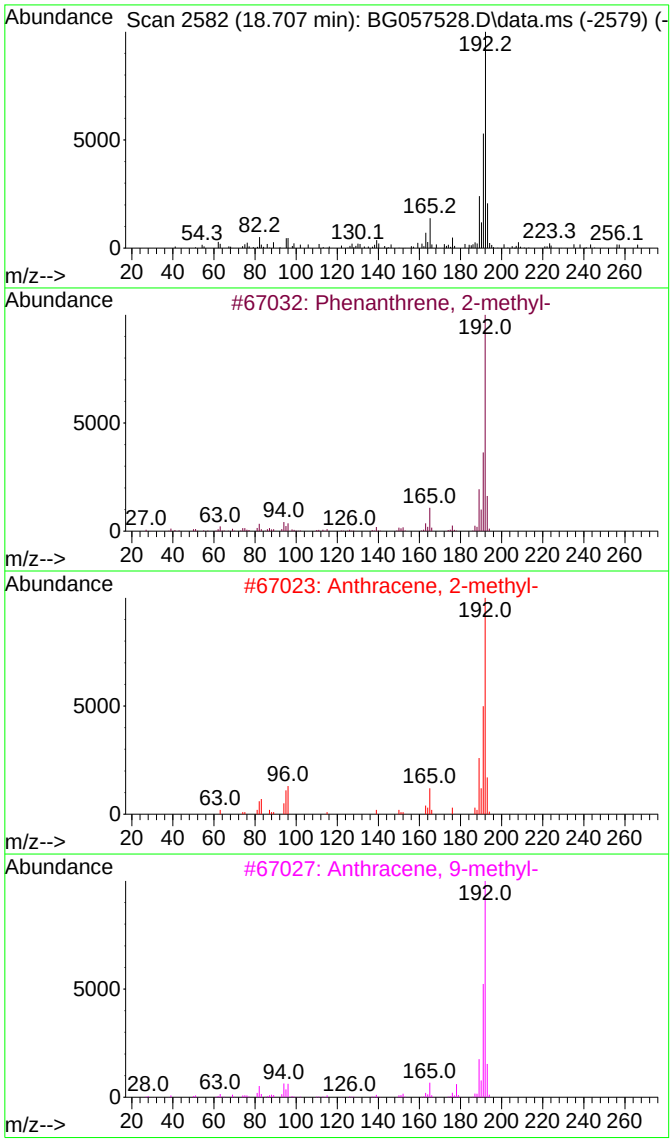
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

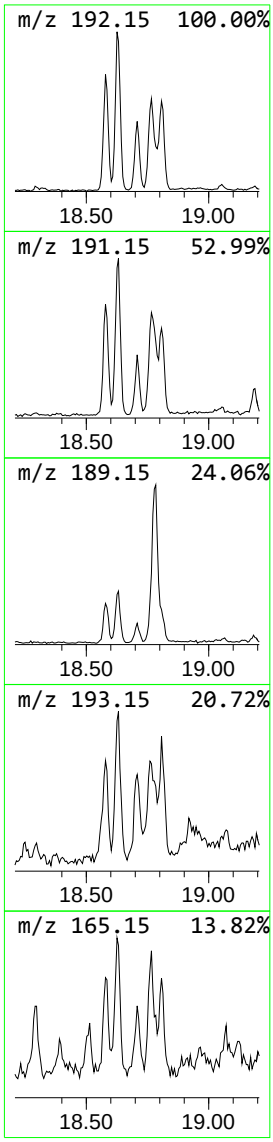
****

Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.707	2.87 ng	44720	Phenanthrene-d10	17.715

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
4	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	87
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87





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Acq On : 23 May 2023 20:44
Operator : CG/JU
Sample : 02892-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-29

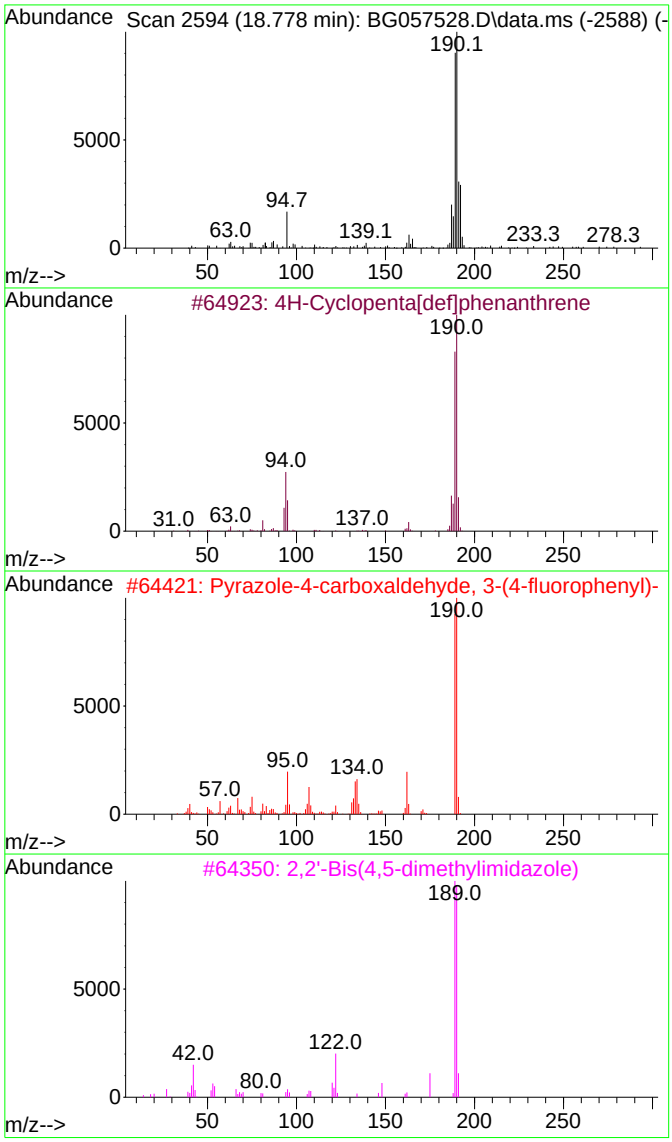
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

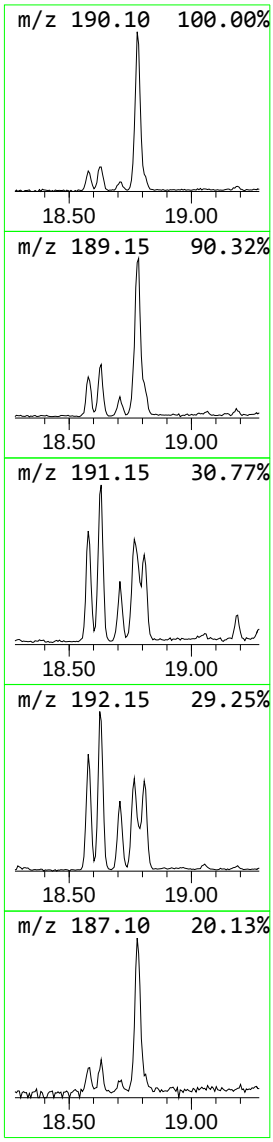
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.778	12.68 ng	197596	Phenanthrene-d10	17.715

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	53
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
4	4-Bromothiophene-2-aldehyde	190	C5H3BrOS	018791-75-8	22
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	17





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Sample : 02892-13
Misc :
ALS Vial : 18 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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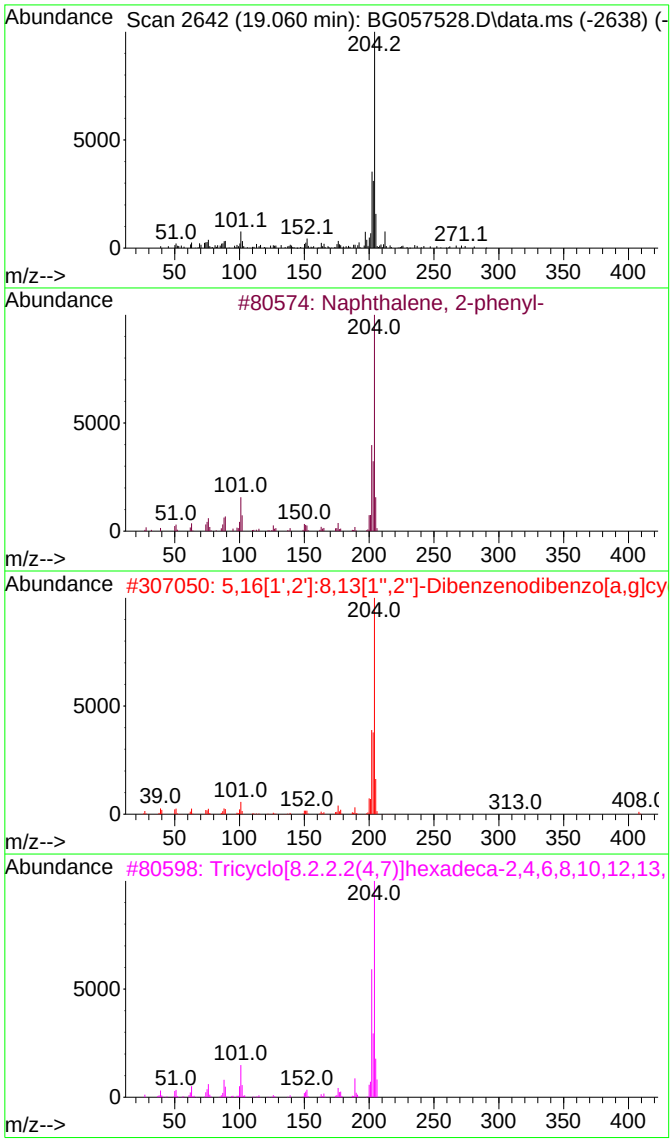
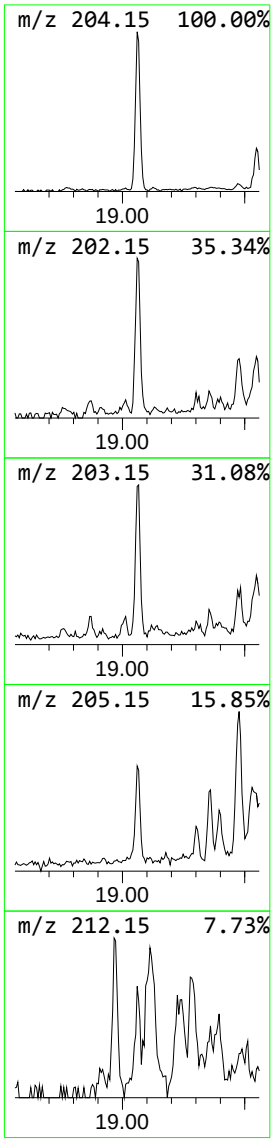
Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.060	5.98 ng	93272	Phenanthrene-d10	17.715

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	64
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	59





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Acq On : 23 May 2023 20:44
Operator : CG/JU
Sample : 02892-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.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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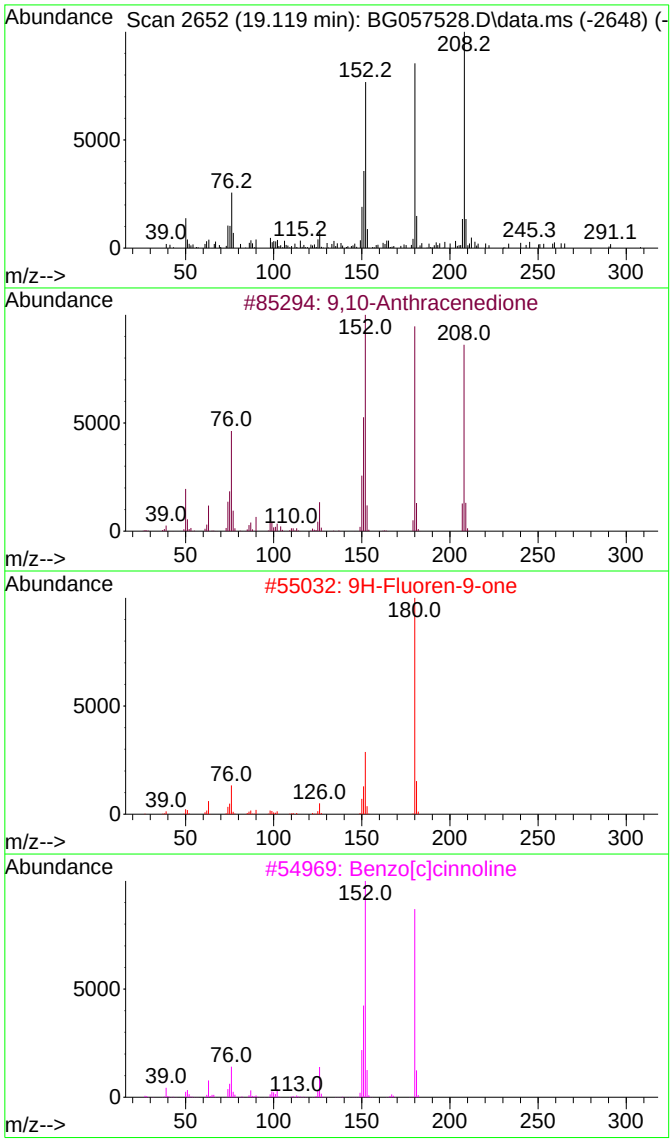
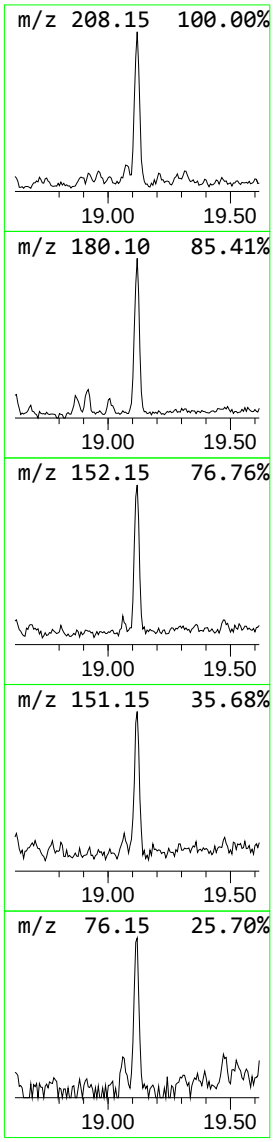
Peak Number 14 9,10-Anthracenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.119	5.59 ng	87198	Phenanthrene-d10	17.715

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	60
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052323\
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Acq On : 23 May 2023 20:44
Operator : CG/JU
Sample : 02892-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-29

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.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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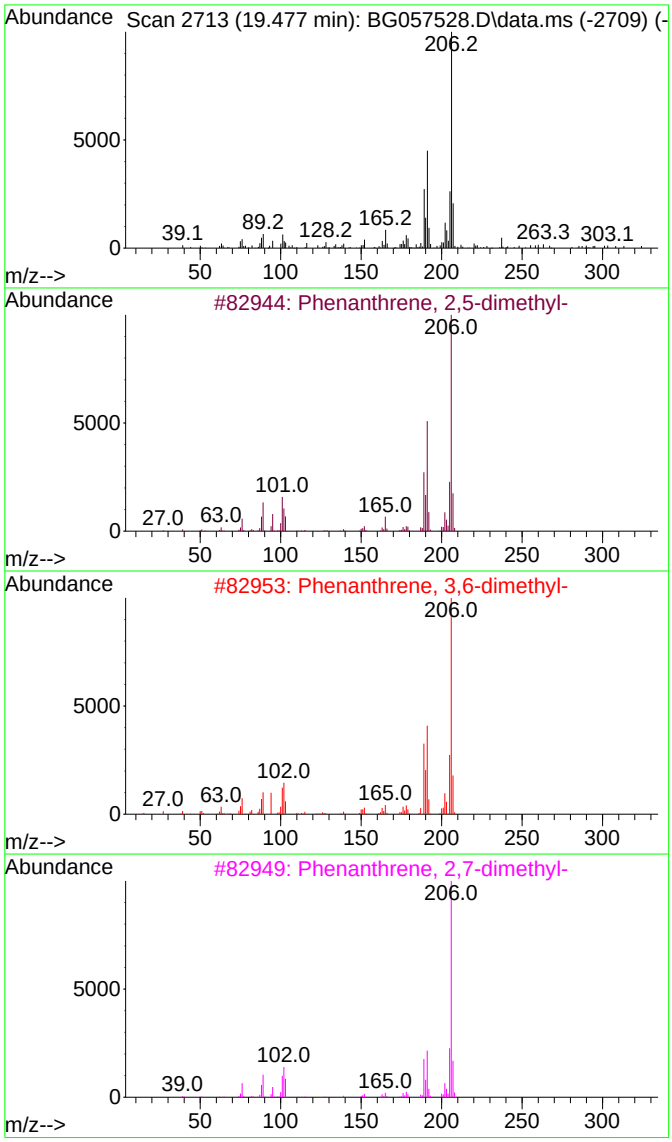
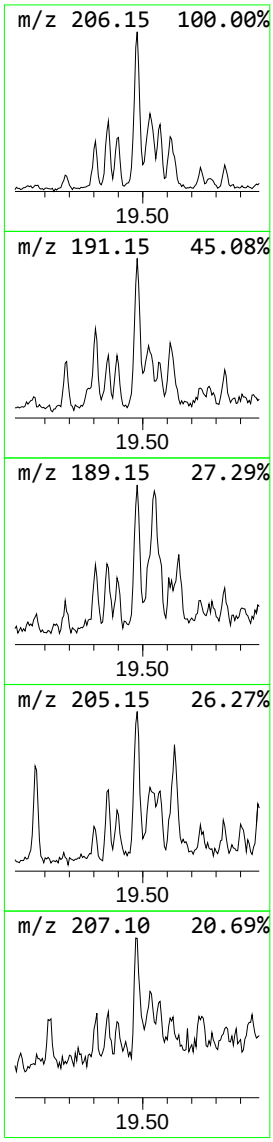
Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.477	5.18 ng	80807	Phenanthrene-d10	17.715

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	87





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Acq On : 23 May 2023 20:44
Operator : CG/JU
Sample : 02892-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-29

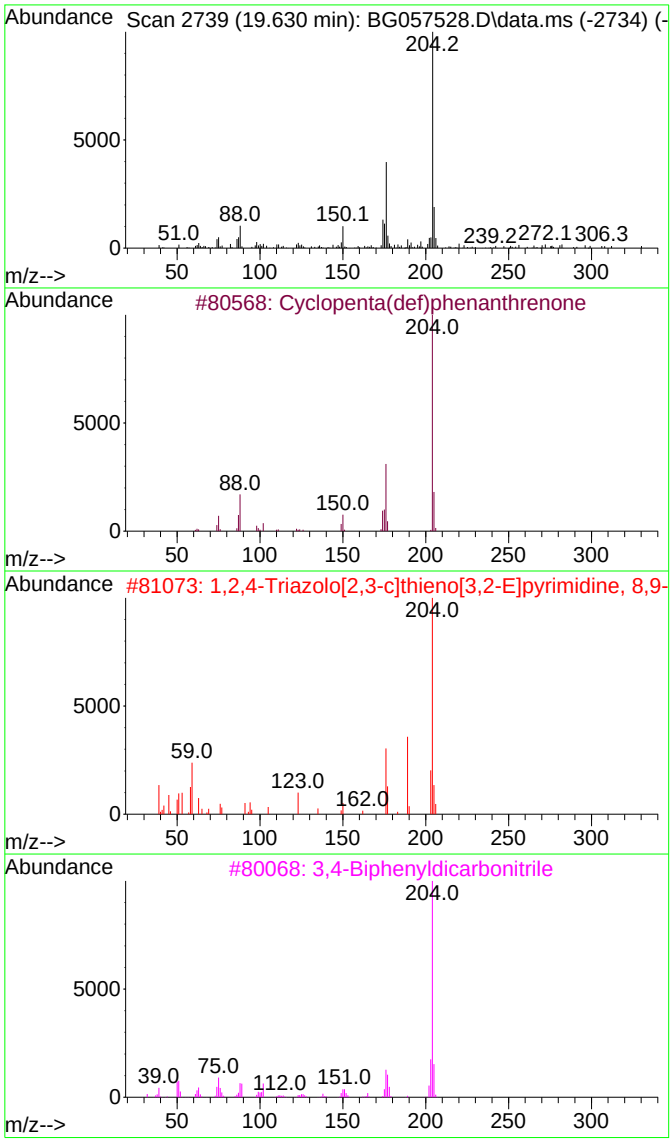
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

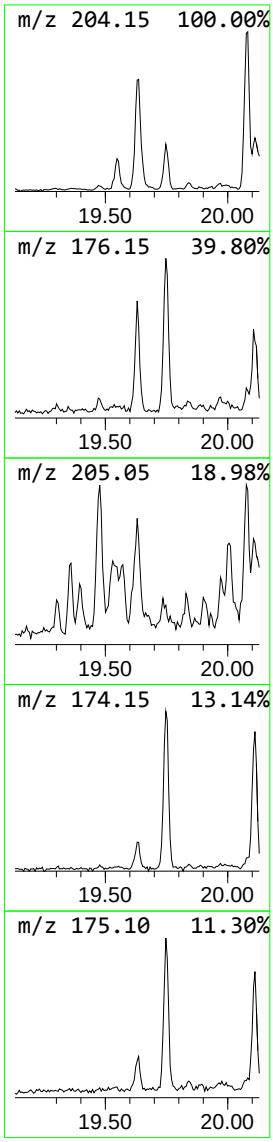
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.630	7.20 ng	112269	Phenanthrene-d10	17.715

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	1,2,4-Triazolo[2,3-c]thieno[3,2-...	204	C9H8N4S	113246-88-1	50
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
4	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	47
5	4-Formyl-7-methoxycoumarin	204	C11H8O4	1000429-03-0	47





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Acq On : 23 May 2023 20:44
Operator : CG/JU
Sample : 02892-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-29

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.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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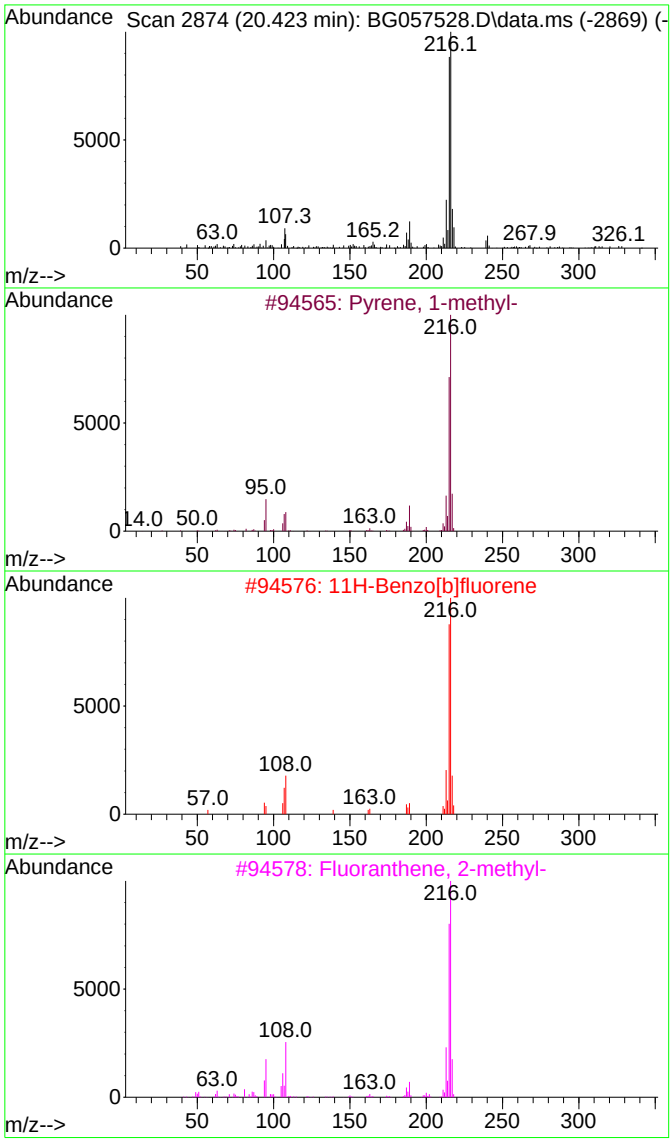
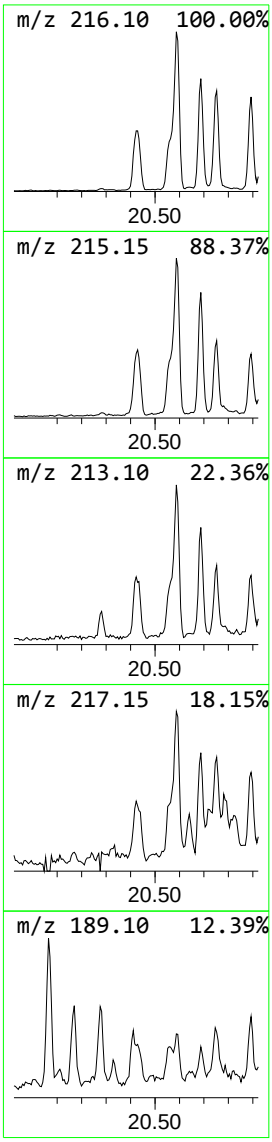
Peak Number 17 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.423	2.52 ng	180674	Chrysene-d12	22.032

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052323\
Data File : BG057528.D
Acq On : 23 May 2023 20:44
Operator : CG/JU
Sample : 02892-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-29

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.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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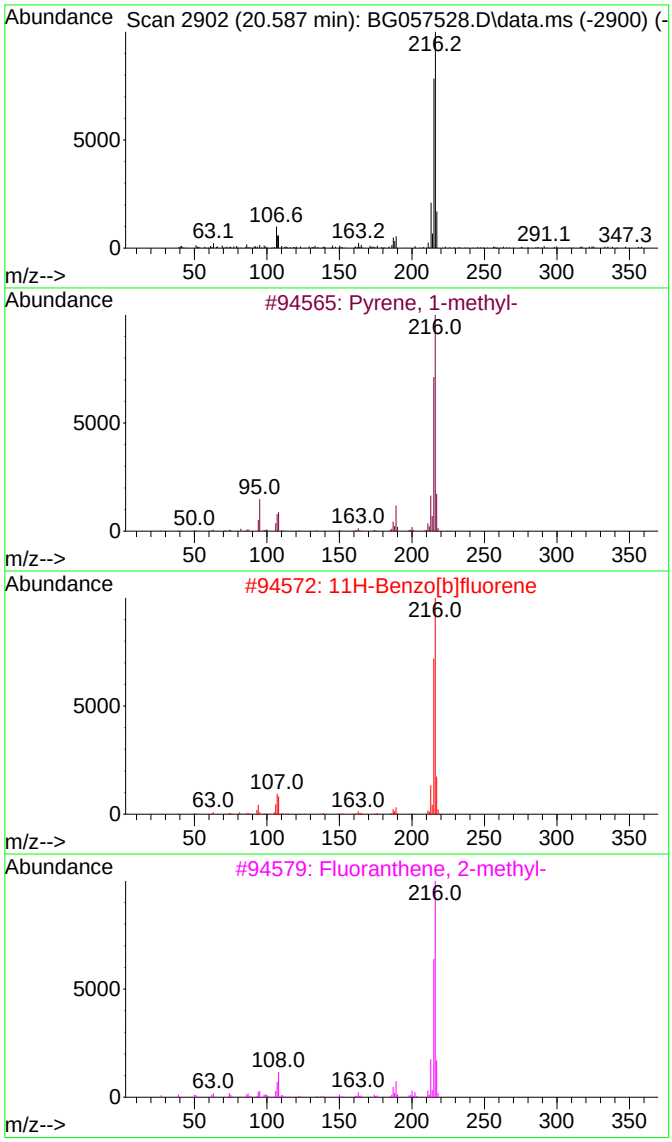
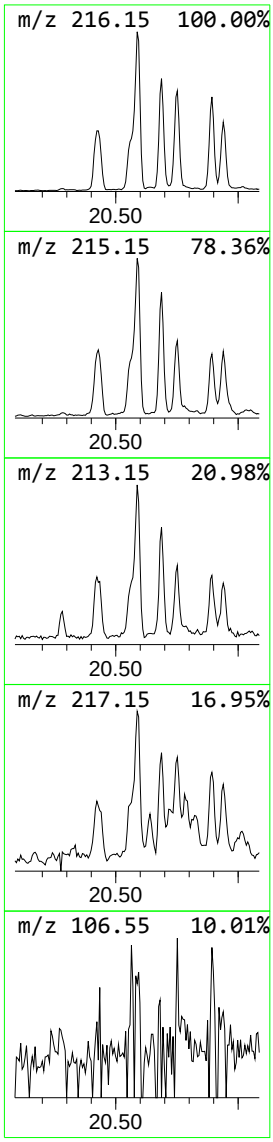
Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.587	3.32 ng	237984	Chrysene-d12	22.032

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052323\
Data File : BG057528.D
Acq On : 23 May 2023 20:44
Operator : CG/JU
Sample : 02892-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-29

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.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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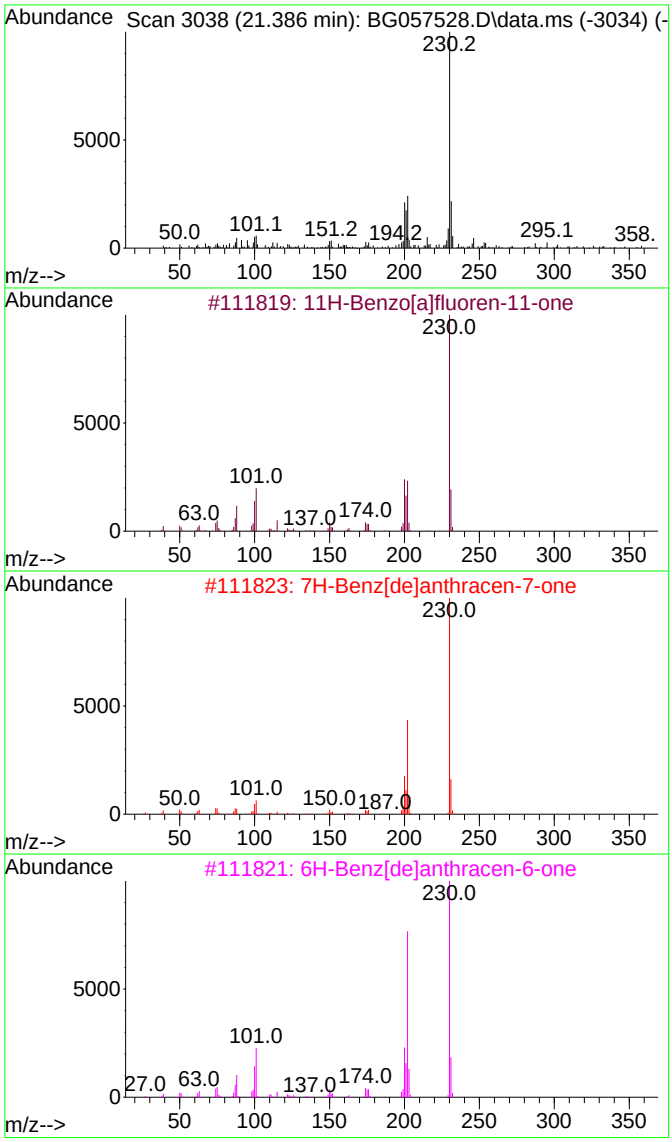
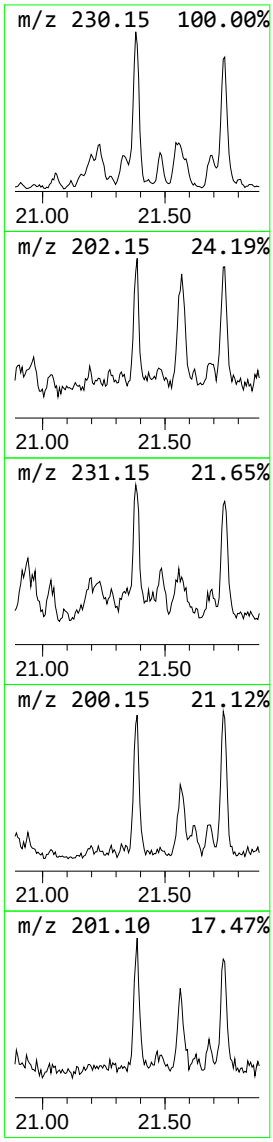
Peak Number 19 11H-Benzo[a]fluoren-11-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.386	2.59 ng	185628	Chrysene-d12	22.032

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	91
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	64
4	2,6-Dimethyl-4-hydroxyquinoline,...	287	C17H25NOSi	1000463-05-5	64
5	p-Terphenyl	230	C18H14	000092-94-4	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052323\
Data File : BG057528.D
Acq On : 23 May 2023 20:44
Operator : CG/JU
Sample : 02892-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-29

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.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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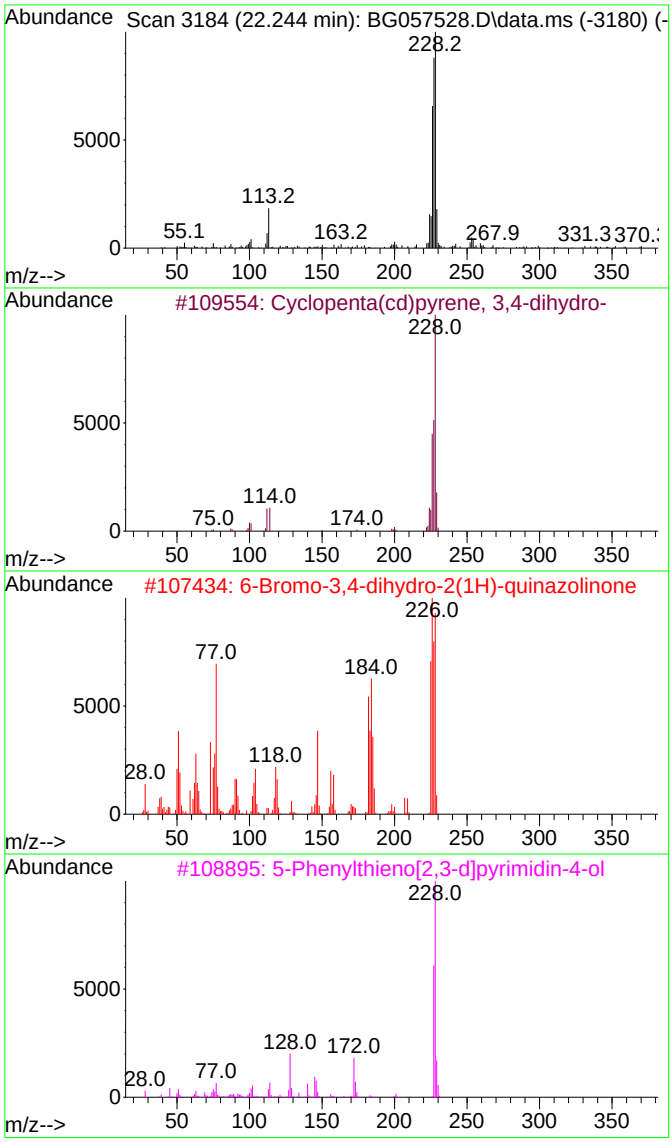
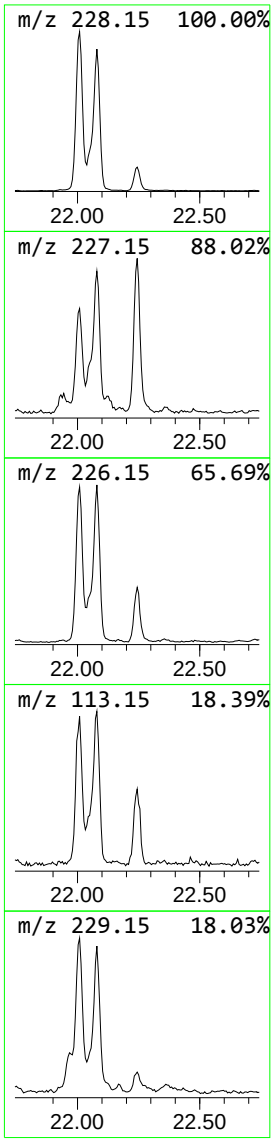
Peak Number 20 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.244	2.62 ng	187721	Chrysene-d12	22.032

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	70
2	6-Bromo-3,4-dihydro-2(1H)-quinaz...	226	C8H7BrN2O	1246765-38-7	64
3	5-Phenylthieno[2,3-d]pyrimidin-4-ol	228	C12H8N2OS	035978-39-3	53
4	1(2H)-Phenanthrenone, 3,4,9,10-t...	228	C15H16O2	014427-61-3	50
5	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052323\
Data File : BG057528.D
Acq On : 23 May 2023 20:44
Operator : CG/JU
Sample : 02892-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-29

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.384	2.7	ng	16361	1	8.357	120520	20.0
.alpha.-Pinene	7.011	146.4	ng	881968	1	8.357	120520	20.0
5,5-Dimethyl-1-...	7.323	2.8	ng	17099	1	8.357	120520	20.0
Bicyclo[3.1.1]h...	7.781	3.7	ng	22277	1	8.357	120520	20.0
Cyclohexene, 1-...	8.045	8.0	ng	48323	1	8.357	120520	20.0
p-Cymene	8.480	7.5	ng	45077	1	8.357	120520	20.0
2-Bromo dodecane	15.759	3.1	ng	37579	3	14.971	243807	20.0
n-Hexadecanoic ...	18.549	3.9	ng	60258	4	17.715	311723	20.0
Anthracene, 1-m...	18.578	5.7	ng	89056	4	17.715	311723	20.0
Anthracene, 2-m...	18.625	9.1	ng	141373	4	17.715	311723	20.0
Phenanthrene, 2...	18.707	2.9	ng	44720	4	17.715	311723	20.0
4H-Cyclopenta[d...	18.778	12.7	ng	197596	4	17.715	311723	20.0
Naphthalene, 2-...	19.060	6.0	ng	93272	4	17.715	311723	20.0
9,10-Anthracene...	19.119	5.6	ng	87198	4	17.715	311723	20.0
Phenanthrene, 2...	19.477	5.2	ng	80807	4	17.715	311723	20.0
Cyclopenta(def)...	19.630	7.2	ng	112269	4	17.715	311723	20.0
Pyrene, 1-methyl-	20.423	2.5	ng	180674	5	22.032	1432270	20.0
11H-Benzo[b]flu...	20.587	3.3	ng	237984	5	22.032	1432270	20.0
11H-Benzo[a]flu...	21.386	2.6	ng	185628	5	22.032	1432270	20.0
Cyclopenta(cd)p...	22.244	2.6	ng	187721	5	22.032	1432270	20.0