LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042524\
Data File : BG061042.D
Acq On : 25 Apr 2024 18:03
Operator : MA/JU
Sample : P2258-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-042424

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-BG042024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG061042.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.164	25	30	38	rVB2	14875	26001	1.58%	0.150%
2	5.532	425	433	442	rBV	216773	350316	21.33%	2.027%
3	7.113	695	702	711	rBV	193930	339269	20.66%	1.963%
4	7.947	835	844	850	rBV	109716	188395	11.47%	1.090%
5	9.099	1032	1040	1047	rVB	121476	221544	13.49%	1.282%
6	10.738	1311	1319	1324	rBV	145689	261514	15.93%	1.513%
7	10.785	1324	1327	1333	rVB	20106	31445	1.91%	0.182%
8	12.395	1595	1601	1606	rVB2	27543	46047	2.80%	0.266%
9	12.612	1633	1638	1643	rBV	30454	46739	2.85%	0.270%
10	13.194	1728	1737	1743	rBV	355037	532119	32.41%	3.079%
11	13.405	1768	1773	1780	rBV	24217	37402	2.28%	0.216%
12	13.752	1830	1832	1837	rVB4	21213	23399	1.42%	0.135%
13	13.893	1850	1856	1861	rBV2	36566	66595	4.06%	0.385%
14	13.946	1861	1865	1871	rVB3	21454	34960	2.13%	0.202%
15	14.128	1890	1896	1900	rBV3	17781	30428	1.85%	0.176%
16	14.298	1918	1925	1930	rBV2	16263	31638	1.93%	0.183%
17	14.475	1950	1955	1961	rBV	28302	39719	2.42%	0.230%
18	14.569	1963	1971	1977	rVV	231982	385583	23.48%	2.231%
19	14.633	1977	1982	1990	rVV	67037	115787	7.05%	0.670%
20	14.786	2000	2008	2015	rBV8	18950	43518	2.65%	0.252%
21	14.968	2032	2039	2047	rVB	64592	119218	7.26%	0.690%
22	15.045	2047	2052	2058	rBV3	19660	38494	2.34%	0.223%
23	15.103	2058	2062	2068	rVV7	12037	20863	1.27%	0.121%
24	15.192	2070	2077	2082	rBV4	22832	45615	2.78%	0.264%
25	15.239	2082	2085	2090	rVB3	15041	24476	1.49%	0.142%
26	15.432	2114	2118	2122	rVB	38651	48067	2.93%	0.278%
27	15.620	2144	2150	2154	rBV	112744	176544	10.75%	1.022%
28	15.744	2167	2171	2174	rBV5	12931	18712	1.14%	0.108%
29	15.785	2174	2178	2181	rVB5	15306	21411	1.30%	0.124%
30	15.838	2181	2187	2191	rBV4	21810	38092	2.32%	0.220%
31	15.914	2196	2200	2209	rVB3	29523	56042	3.41%	0.324%
32	16.061	2218	2225	2234	rVB	341157	540664	32.93%	3.129%
33	16.296	2260	2265	2274	rVB2	57405	107827	6.57%	0.624%
34	16.625	2314	2321	2326	rBV3	35272	68255	4.16%	0.395%
35	16.672	2326	2329	2336	rVB4	25884	40560	2.47%	0.235%
36	16.778	2342	2347	2351	rVB4	16984	27296	1.66%	0.158%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042524\
Data File : BG061042.D
Acq On : 25 Apr 2024 18:03
Operator : MA/JU
Sample : P2258-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-042424

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-BG042024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	16.978	2376	2381	2388	rVB8	12689	25256	1.54%	0.146%
38	17.089	2396	2400	2403	rVV	44213	56431	3.44%	0.327%
39	17.136	2403	2408	2413	rVB	72274	107219	6.53%	0.620%
40	17.318	2433	2439	2442	rBV	287498	430128	26.19%	2.489%
41	17.365	2442	2447	2453	rVV	704622	1030763	62.77%	5.965%
42	17.454	2457	2462	2466	rVV	164950	234296	14.27%	1.356%
43	17.518	2468	2473	2477	rVB4	22590	42654	2.60%	0.247%
44	17.718	2503	2507	2511	rBV	26309	41891	2.55%	0.242%
45	17.830	2522	2526	2531	rBV2	48436	71474	4.35%	0.414%
46	17.900	2535	2538	2542	rVB	44923	61950	3.77%	0.358%
47	17.994	2550	2554	2559	rVV	143719	187674	11.43%	1.086%
48	18.041	2559	2562	2569	rVB	31749	54076	3.29%	0.313%
49	18.194	2584	2588	2591	rBV	113954	182512	11.11%	1.056%
50	18.247	2594	2597	2603	rVB	159502	222126	13.53%	1.285%
51	18.323	2606	2610	2615	rBV2	48478	77251	4.70%	0.447%
52	18.388	2615	2621	2625	rVV2	214595	392063	23.88%	2.269%
53	18.429	2625	2628	2634	rVB	96144	139934	8.52%	0.810%
54	18.517	2640	2643	2649	rBV2	33093	46807	2.85%	0.271%
55	18.593	2653	2656	2661	rVB	25706	30064	1.83%	0.174%
56	18.693	2668	2673	2677	rBV	97100	138533	8.44%	0.802%
57	18.729	2677	2679	2690	rVB4	34295	80771	4.92%	0.467%
58	18.917	2707	2711	2713	rBV3	27241	44464	2.71%	0.257%
59	18.993	2720	2724	2727	rBV	41991	53323	3.25%	0.309%
60	19.028	2727	2730	2735	rVB2	38477	57254	3.49%	0.331%
61	19.134	2739	2748	2751	rBV2	430530	738016	44.94%	4.271%
62	19.169	2751	2754	2758	rVB2	419659	510113	31.07%	2.952%
63	19.257	2764	2769	2773	rBV3	44907	94831	5.78%	0.549%
64	19.304	2773	2777	2782	rVB2	89959	122456	7.46%	0.709%
65	19.375	2783	2789	2796	rBV	1072740	1574710	95.90%	9.112%
66	19.440	2797	2800	2803	rBV3	27276	38341	2.33%	0.222%
67	19.616	2827	2830	2834	rBV2	53393	68377	4.16%	0.396%
68	19.739	2841	2851	2859	rBV	913576	1642045	100.00%	9.502%
69	19.810	2860	2863	2869	rVB2	58470	99816	6.08%	0.578%
70	19.939	2878	2885	2889	rBV	627153	814056	49.58%	4.711%
71	20.056	2901	2905	2913	rBV4	73478	188036	11.45%	1.088%
72	20.233	2931	2935	2942	rVB	189181	284817	17.35%	1.648%
73	20.333	2948	2952	2957	rVB	167023	211359	12.87%	1.223%
74	20.391	2957	2962	2966	rBV2	113701	167944	10.23%	0.972%
75	20.526	2982	2985	2989	rBV	66066	91404	5.57%	0.529%
76	20.573	2990	2993	2997	rVB	71562	93687	5.71%	0.542%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042524\
Data File : BG061042.D
Acq On : 25 Apr 2024 18:03
Operator : MA/JU
Sample : P2258-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-042424

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-BG042024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	21.255	3106	3109	3115	rVB2	72119	108348	6.60%	0.627%
78	21.572	3156	3163	3169	rBV2	477674	1297729	79.03%	7.509%
79	21.625	3169	3172	3185	rVB	361881	657970	40.07%	3.807%
80	23.729	3524	3530	3537	rBV2	128336	424045	25.82%	2.454%

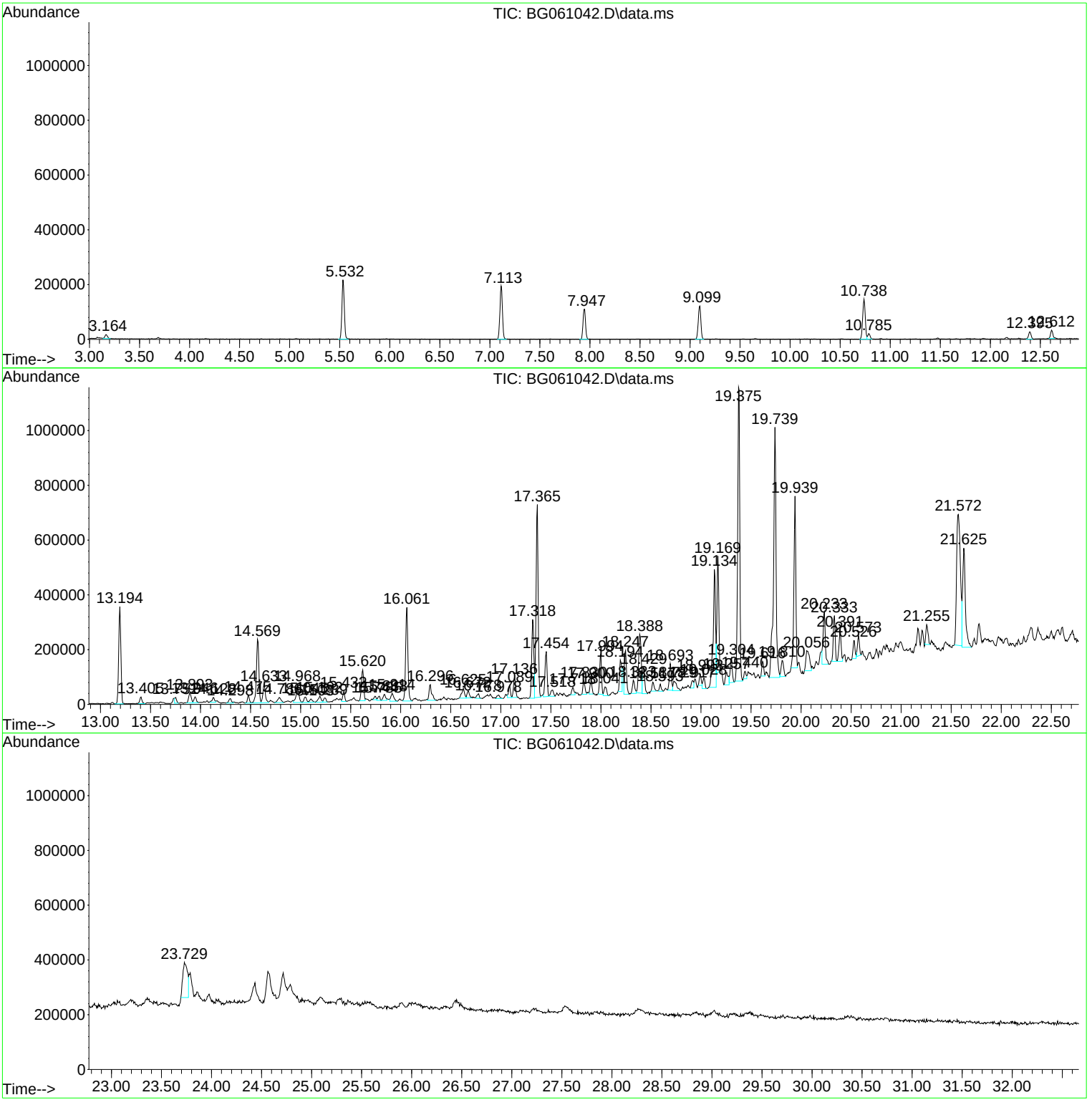
Sum of corrected areas: 17281568

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042524\
Data File : BG061042.D
Acq On : 25 Apr 2024 18:03
Operator : MA/JU
Sample : P2258-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-042424

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.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\BG042524\
Data File : BG061042.D
Acq On : 25 Apr 2024 18:03
Operator : MA/JU
Sample : P2258-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-042424

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

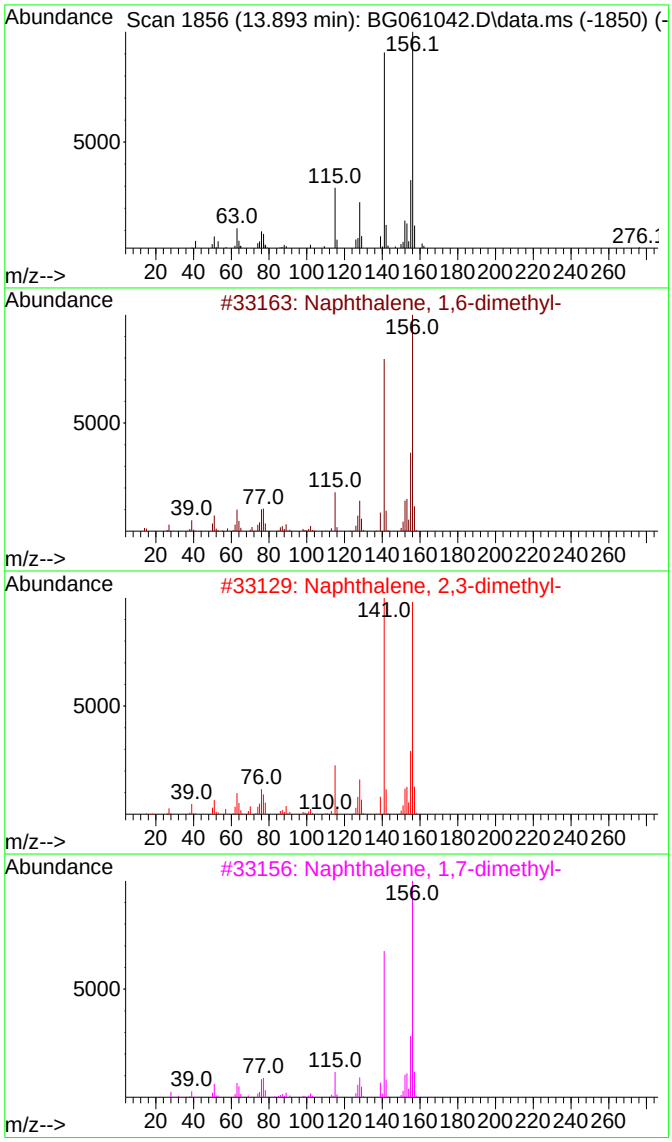
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

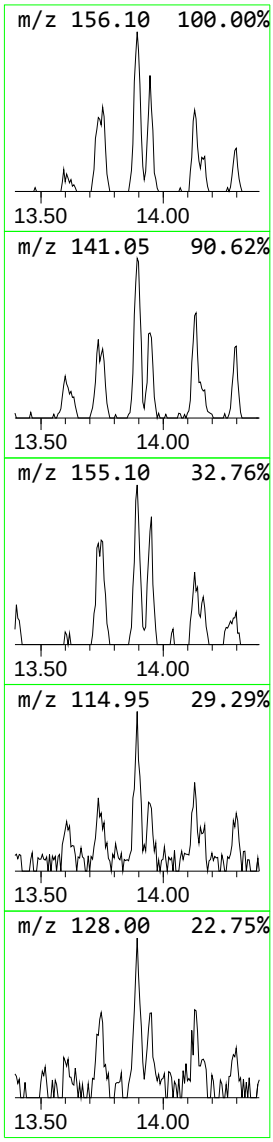
****

Peak Number 1 Naphthalene, 1,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.893	3.45 ng	66595	Acenaphthene-d10	14.569

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042524\
Data File : BG061042.D
Acq On : 25 Apr 2024 18:03
Operator : MA/JU
Sample : P2258-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-042424

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

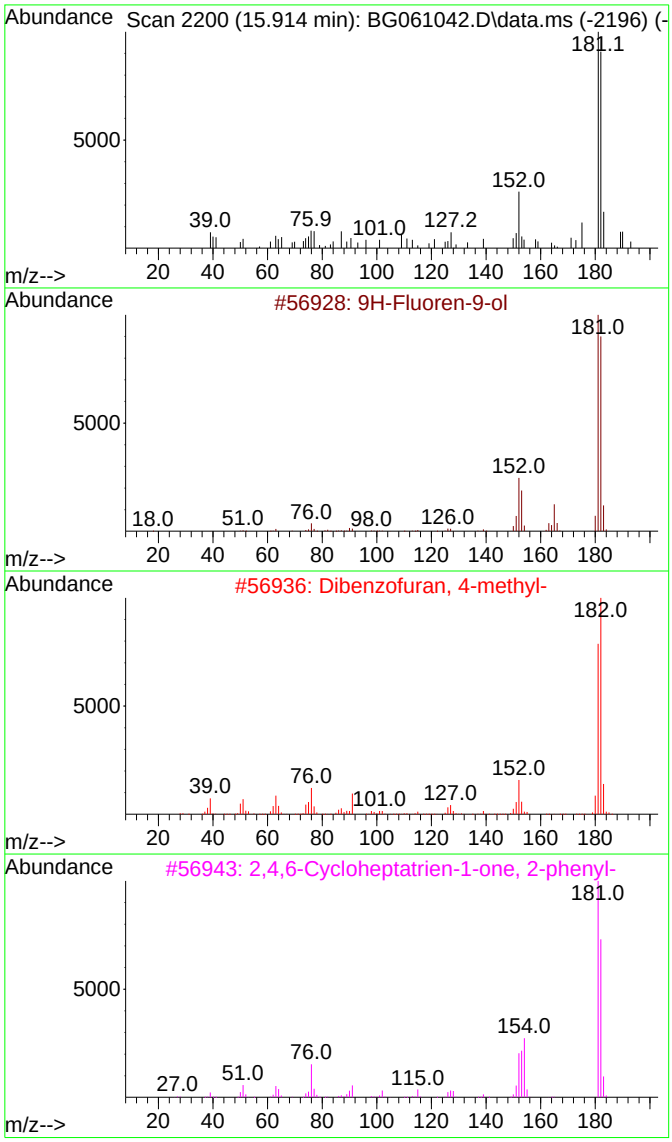
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

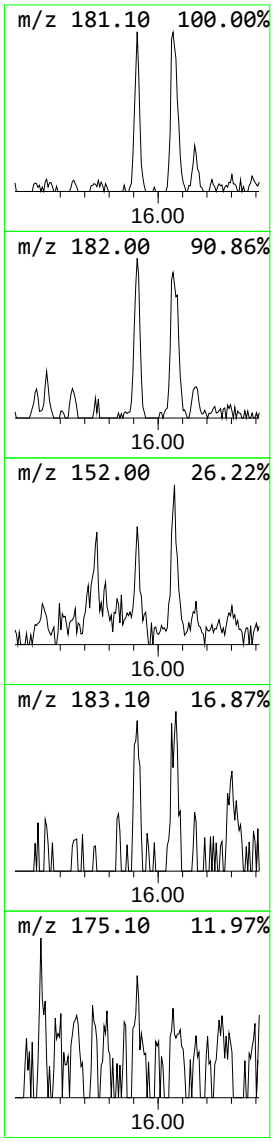
****

Peak Number 2 9H-Fluoren-9-ol Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.914	2.91 ng	56042	Acenaphthene-d10	14.569

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	72
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	64
5	Pyridine, 4,4'-(1,2-ethenediyl)bis-	182	C12H10N2	001135-32-6	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042524\
Data File : BG061042.D
Acq On : 25 Apr 2024 18:03
Operator : MA/JU
Sample : P2258-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-042424

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

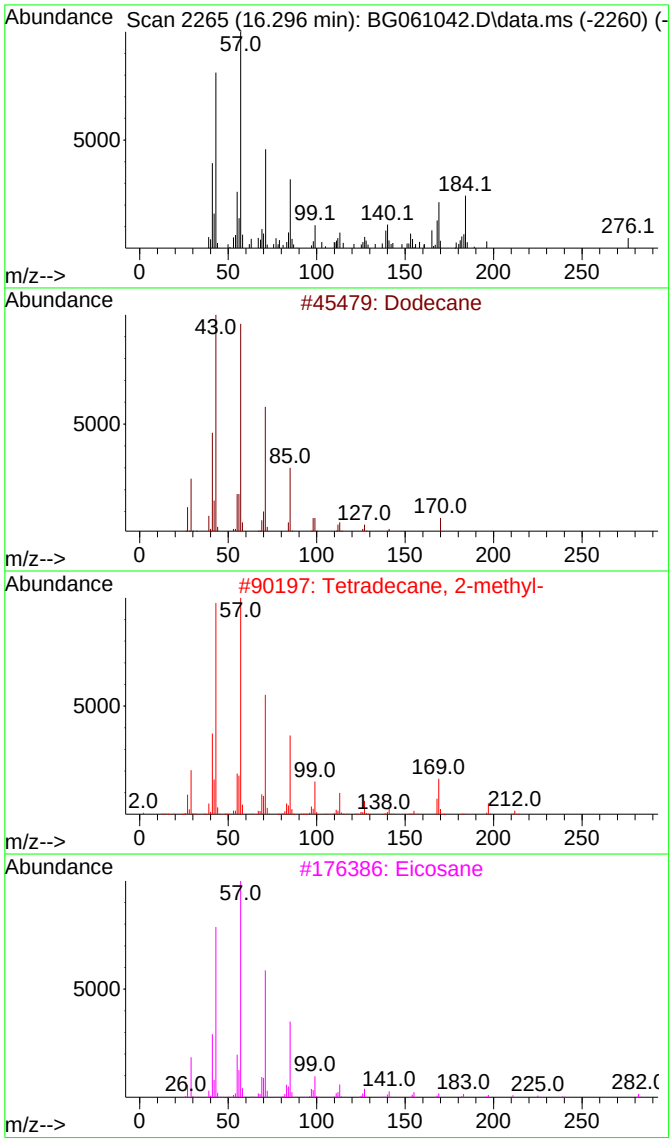
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

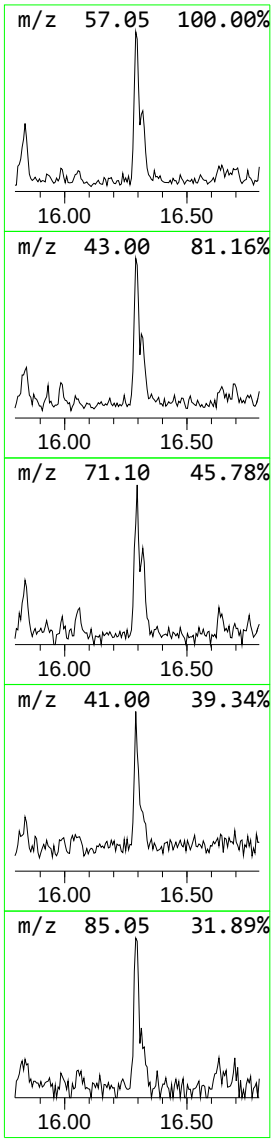
****

Peak Number 3 Dodecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.296	5.01 ng	107827	Phenanthrene-d10	17.319

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	53
2	Tetradecane, 2-methyl-	212	C15H32	001560-95-8	50
3	Eicosane	282	C20H42	000112-95-8	49
4	Octadecane	254	C18H38	000593-45-3	49
5	Hexadecane	226	C16H34	000544-76-3	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042524\
Data File : BG061042.D
Acq On : 25 Apr 2024 18:03
Operator : MA/JU
Sample : P2258-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-042424

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

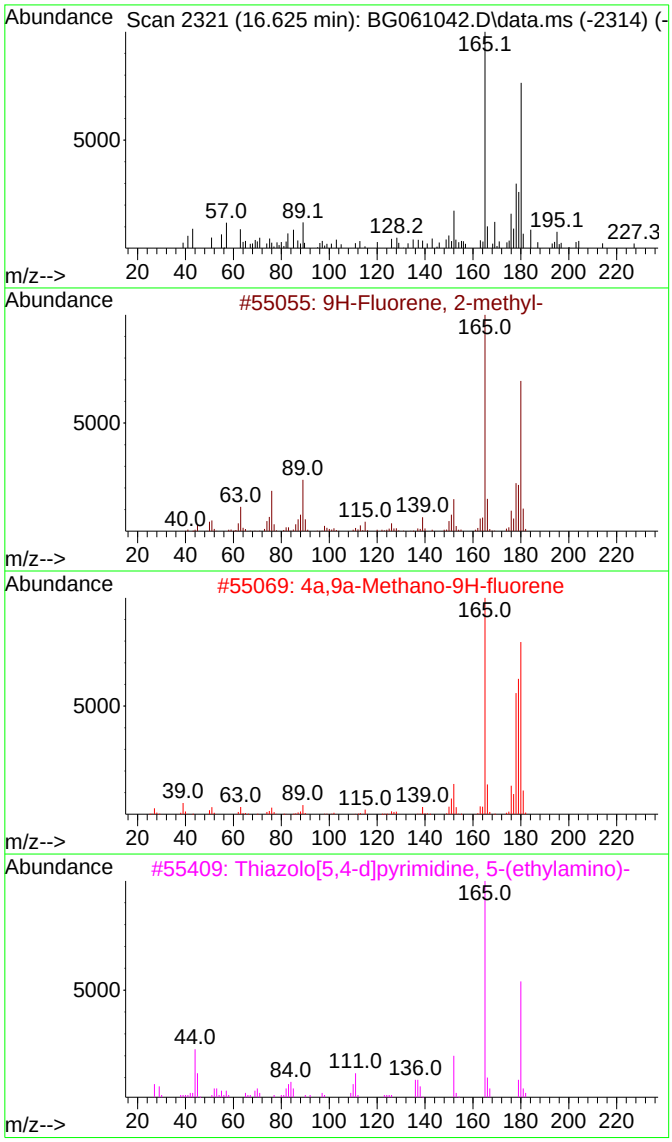
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

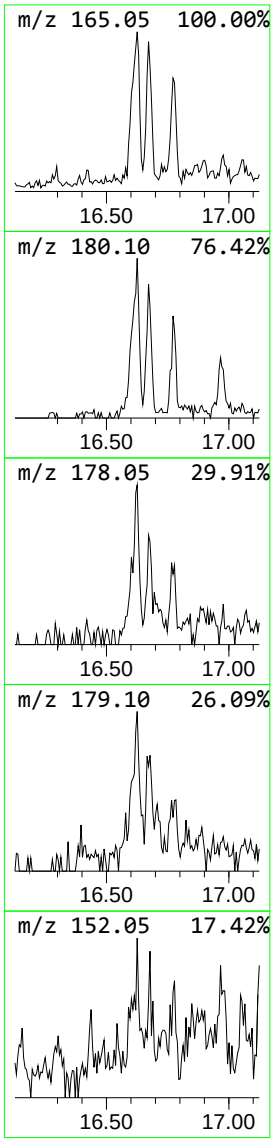
****

Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.625	3.17 ng	68255	Phenanthrene-d10	17.319

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	64
2	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	62
3	Thiazolo[5,4-d]pyrimidine, 5-(et...	180	C7H8N4S	019835-21-3	59
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	59
5	3H-Benz[e]indene, 2-methyl-	180	C14H12	150096-60-9	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042524\
Data File : BG061042.D
Acq On : 25 Apr 2024 18:03
Operator : MA/JU
Sample : P2258-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-042424

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

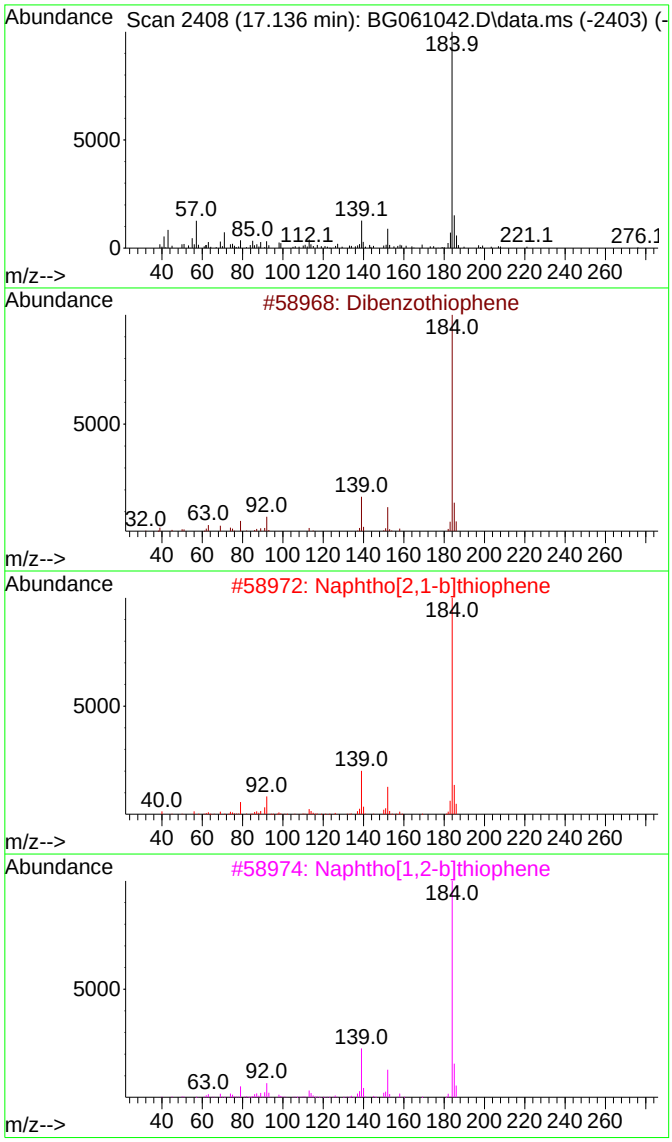
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

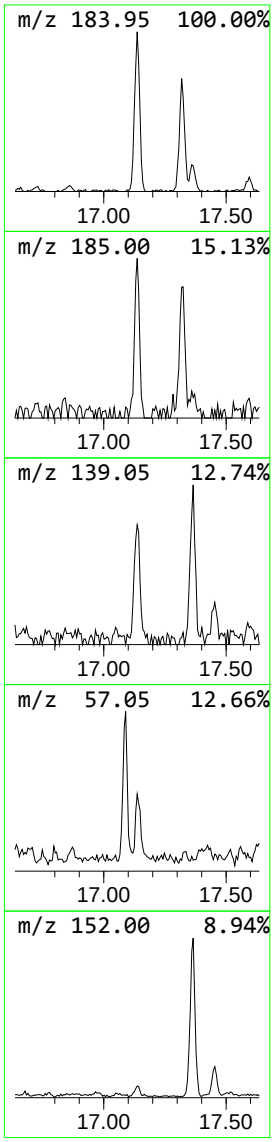
****

Peak Number 5 Dibenzothiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.136	4.99 ng	107219	Phenanthrene-d10	17.319

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	91
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042524\
Data File : BG061042.D
Acq On : 25 Apr 2024 18:03
Operator : MA/JU
Sample : P2258-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-042424

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

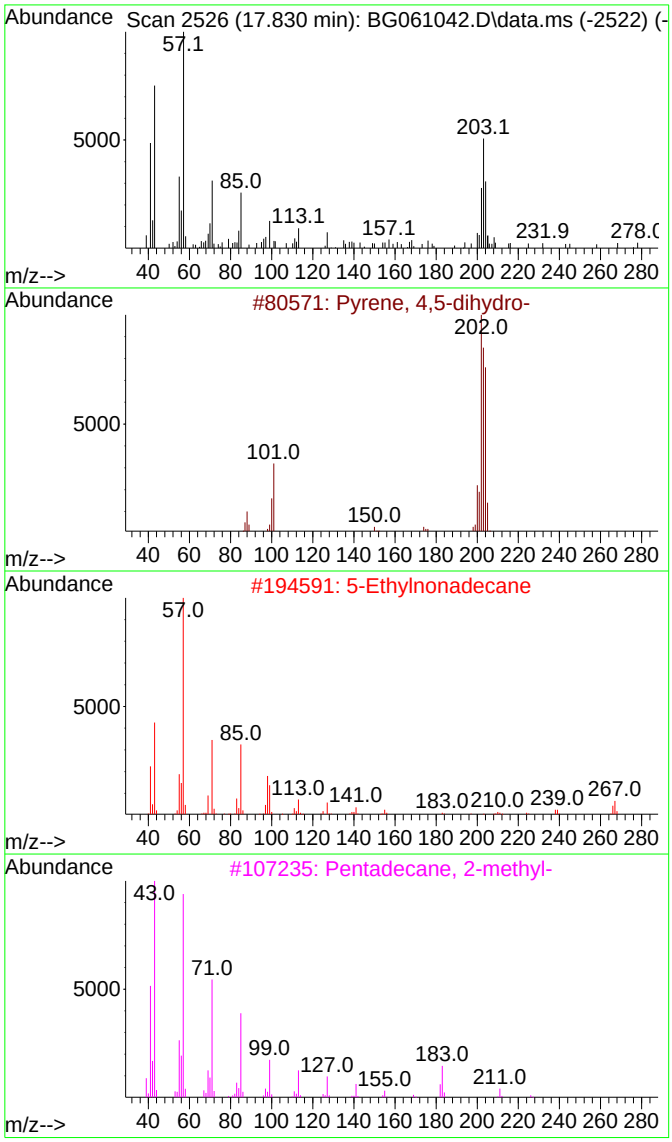
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

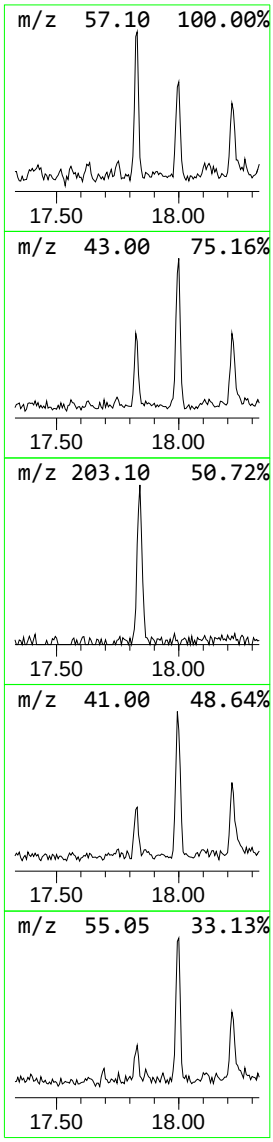
****

Peak Number 6 unknown17.830 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.830	3.32 ng	71474	Phenanthrene-d10	17.319

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5-dihydro-	204	C16H12	006628-98-4	47
2	5-Ethylnonadecane	296	C21H44	1000360-43-1	35
3	Pentadecane, 2-methyl-	226	C16H34	001560-93-6	27
4	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	27
5	Hexadecane	226	C16H34	000544-76-3	27





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042524\
Data File : BG061042.D
Acq On : 25 Apr 2024 18:03
Operator : MA/JU
Sample : P2258-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-042424

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

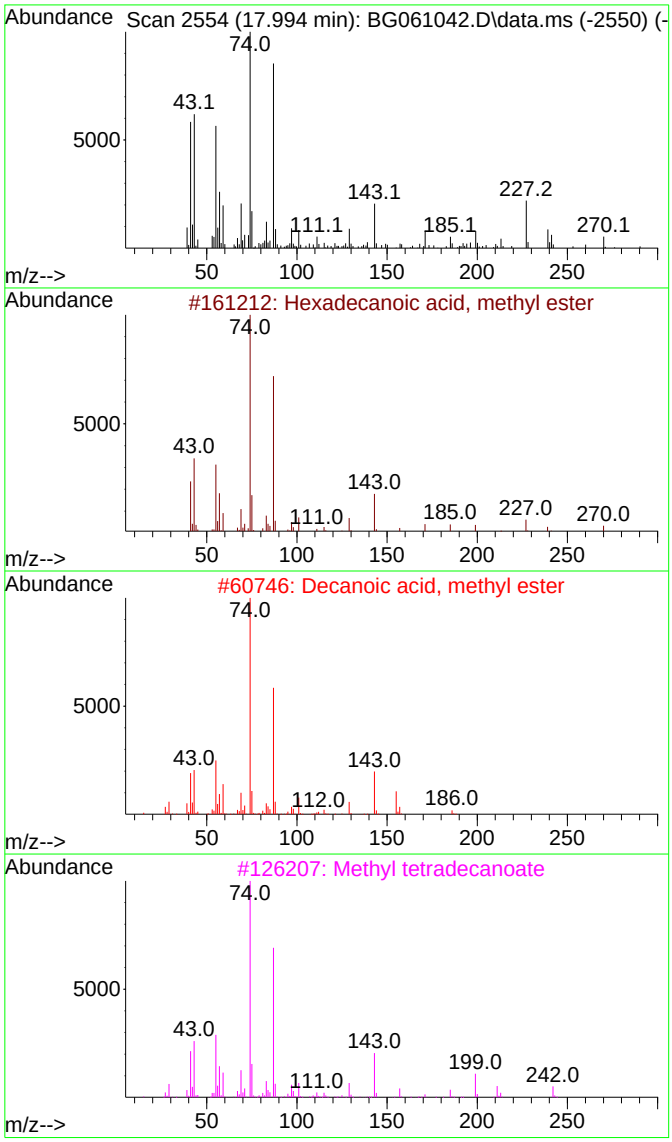
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

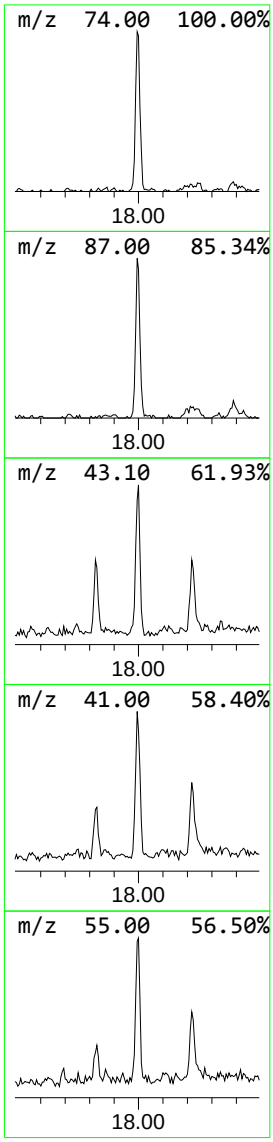
****

Peak Number 7 Hexadecanoic acid, methyl e... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.994	8.73 ng	187674	Phenanthrene-d10	17.319

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	91
2	Decanoic acid, methyl ester	186	C11H22O2	000110-42-9	74
3	Methyl tetradecanoate	242	C15H30O2	000124-10-7	74
4	Tridecanoic acid, 12-methyl-, me...	242	C15H30O2	005129-58-8	72
5	Undecanoic acid, 10-methyl-, met...	214	C13H26O2	005129-56-6	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042524\
Data File : BG061042.D
Acq On : 25 Apr 2024 18:03
Operator : MA/JU
Sample : P2258-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-042424

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

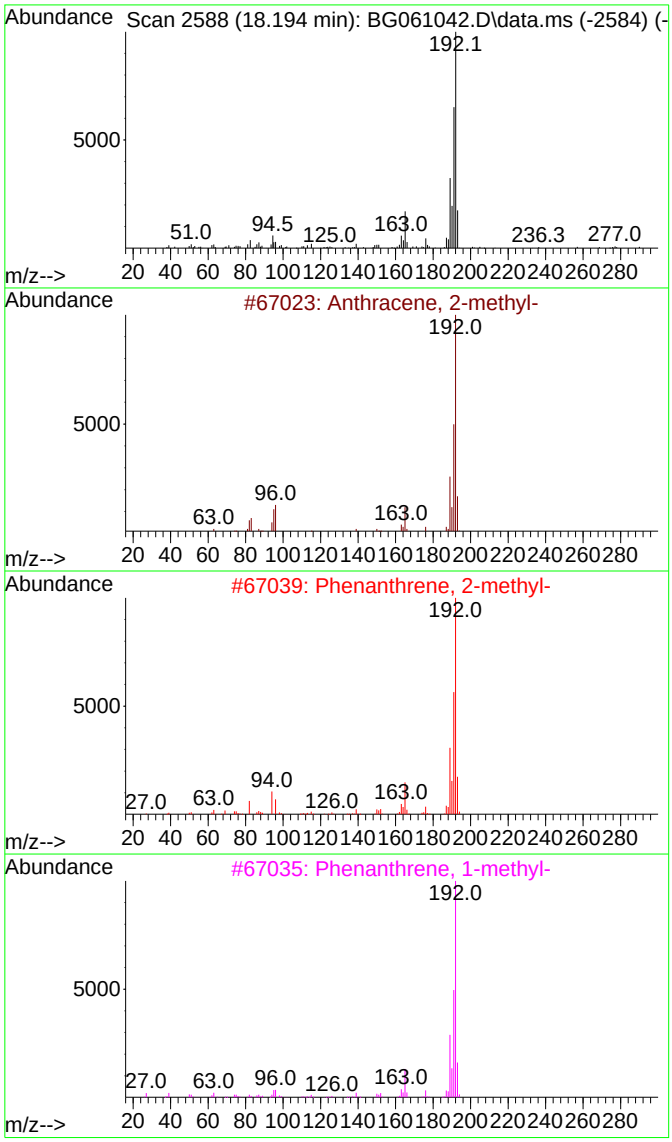
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

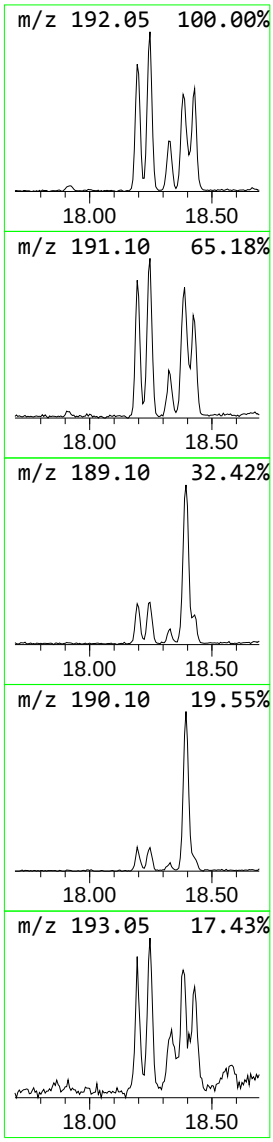
****

Peak Number 8 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.194	8.49 ng	182512	Phenanthrene-d10	17.319

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042524\
Data File : BG061042.D
Acq On : 25 Apr 2024 18:03
Operator : MA/JU
Sample : P2258-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-042424

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

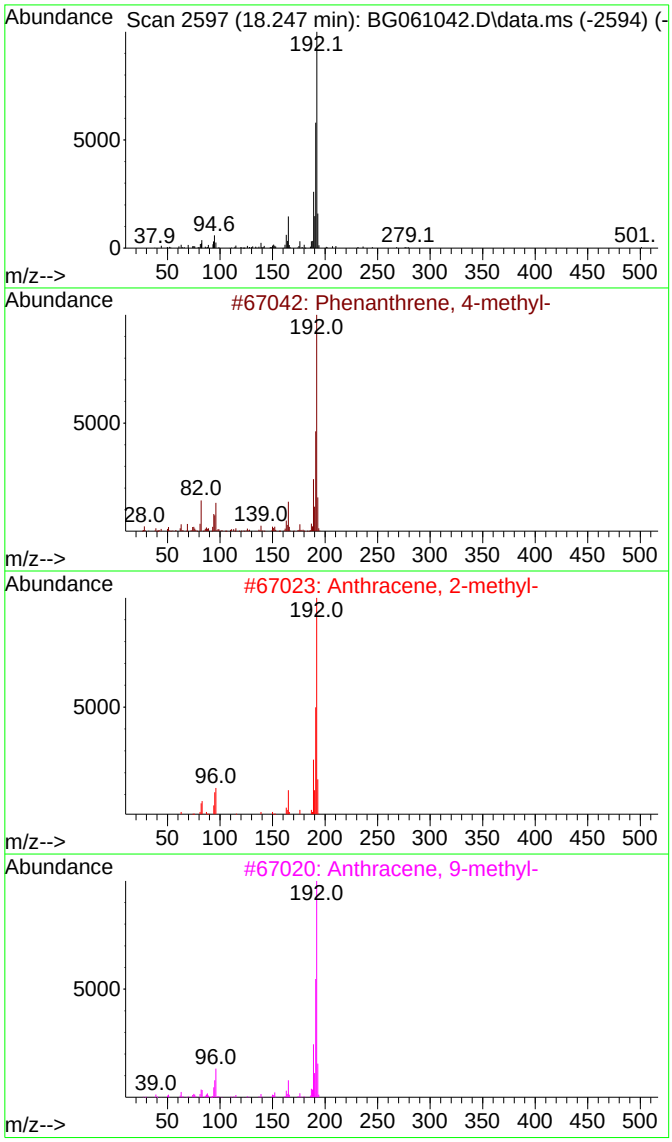
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

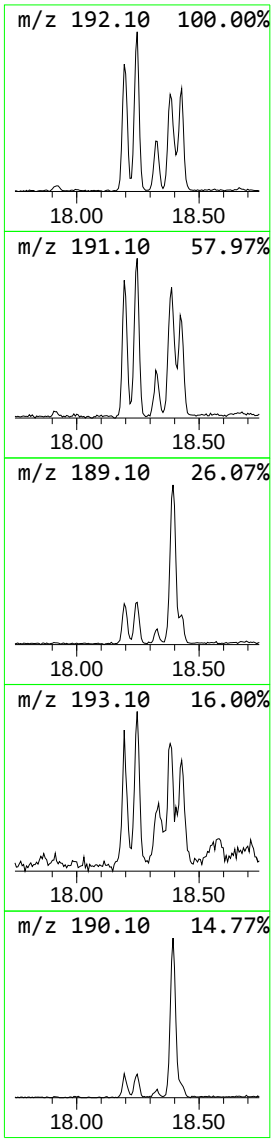
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.247	10.33 ng	222126	Phenanthrene-d10	17.319

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042524\
Data File : BG061042.D
Acq On : 25 Apr 2024 18:03
Operator : MA/JU
Sample : P2258-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-042424

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

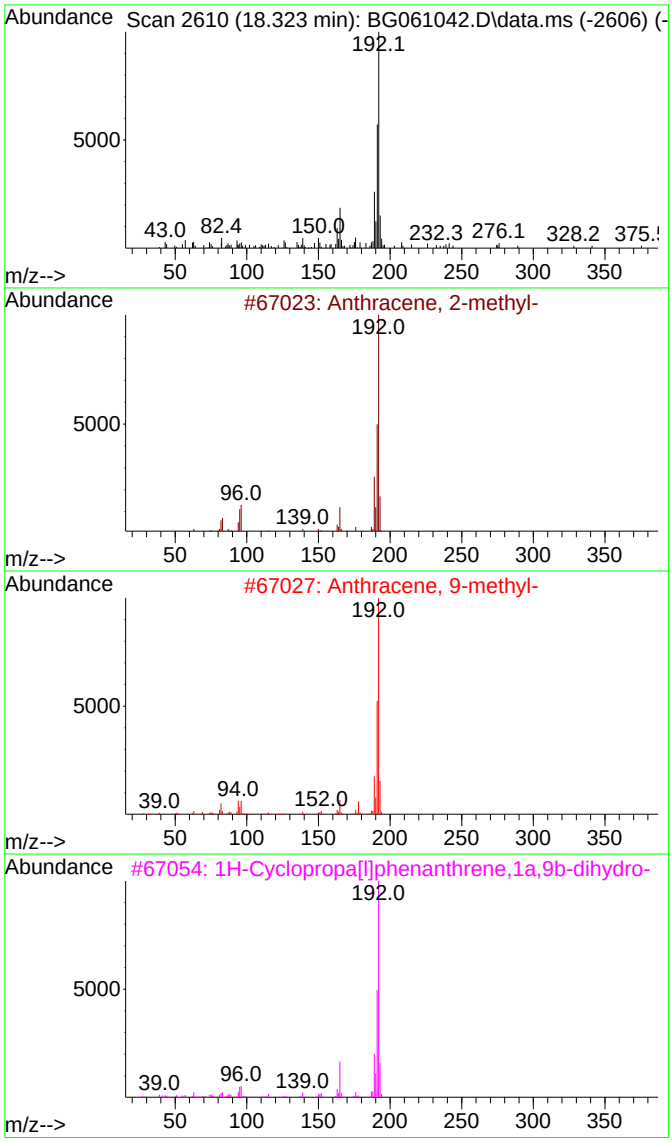
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

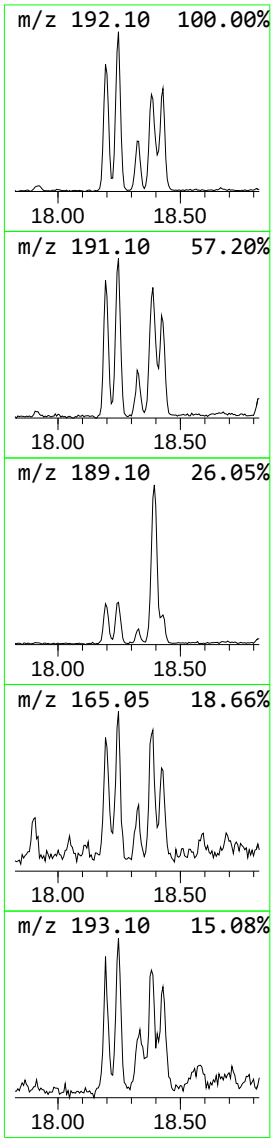
****

Peak Number 10 Anthracene, 9-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.323	3.59 ng	77251	Phenanthrene-d10	17.319

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042524\
Data File : BG061042.D
Acq On : 25 Apr 2024 18:03
Operator : MA/JU
Sample : P2258-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-042424

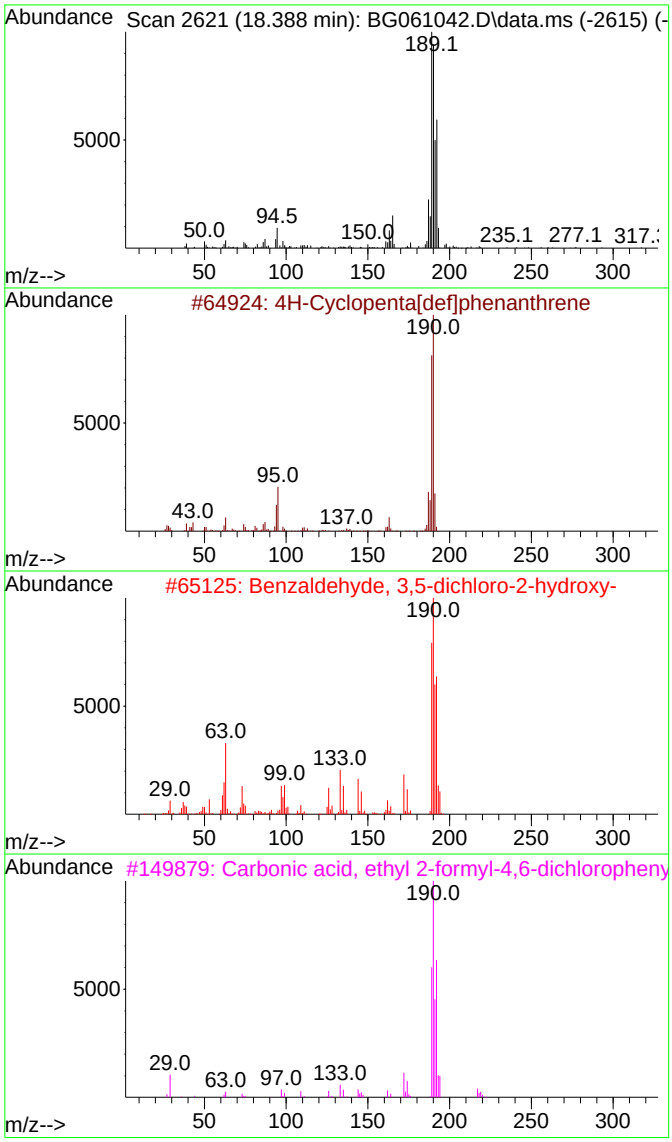
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

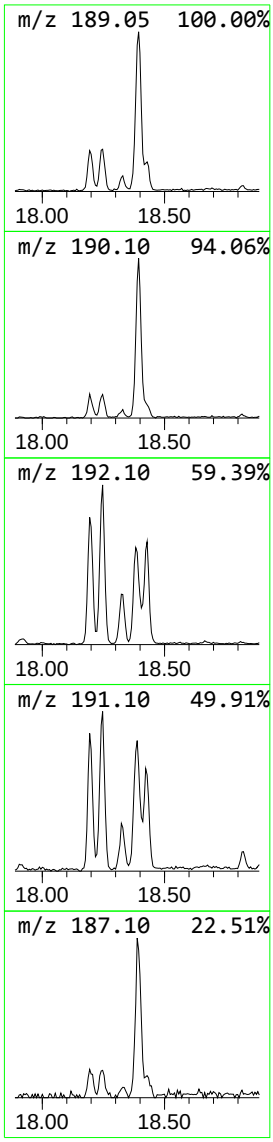
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.388	18.23 ng	392063	Phenanthrene-d10	17.319

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	53
3	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	53
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042524\
Data File : BG061042.D
Acq On : 25 Apr 2024 18:03
Operator : MA/JU
Sample : P2258-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-042424

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

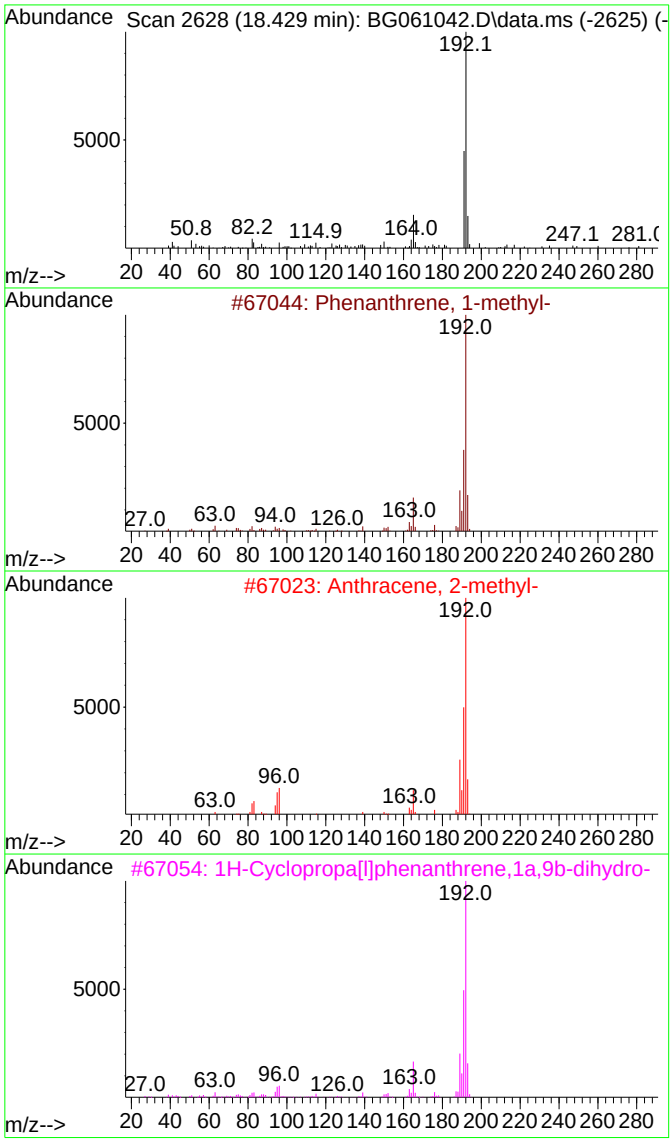
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

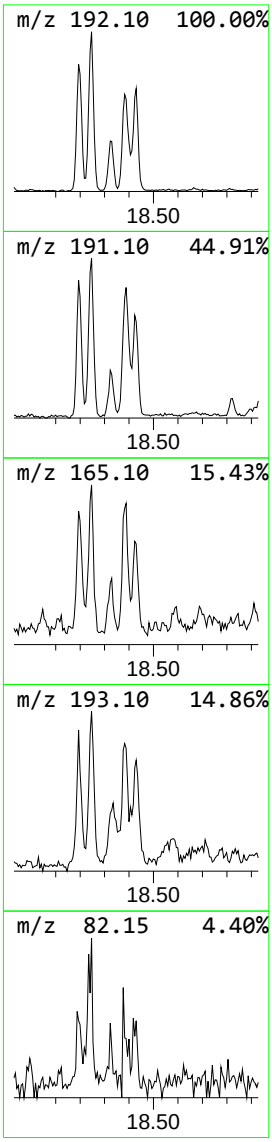
****

Peak Number 12 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.429	6.51 ng	139934	Phenanthrene-d10	17.319

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	86
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	86
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042524\
Data File : BG061042.D
Acq On : 25 Apr 2024 18:03
Operator : MA/JU
Sample : P2258-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-042424

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

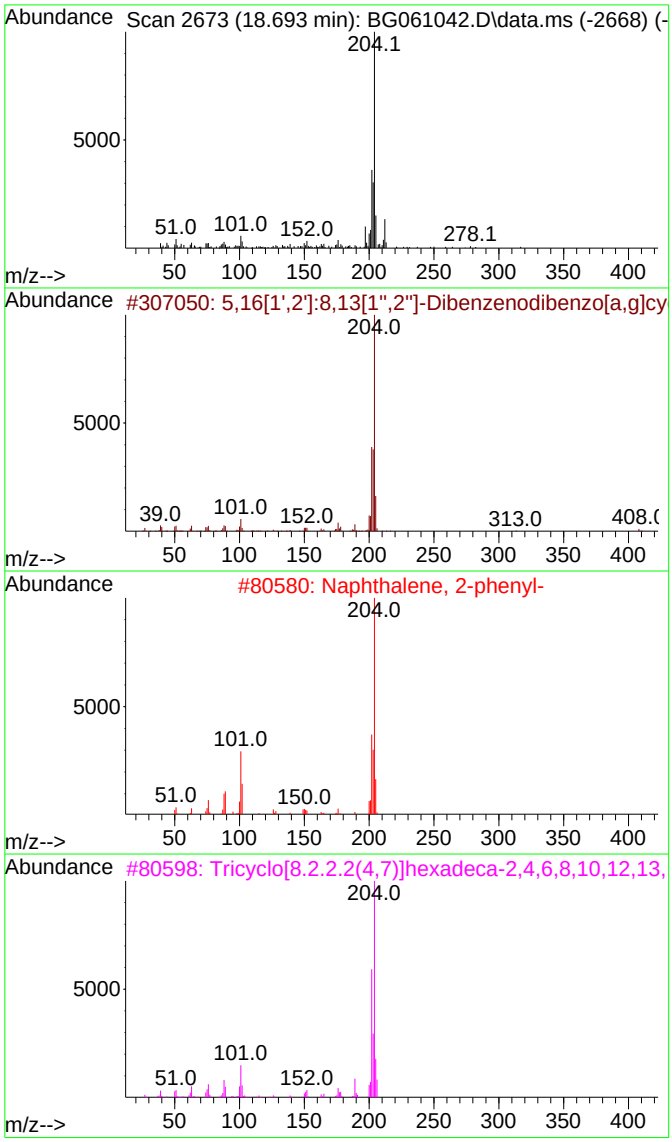
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

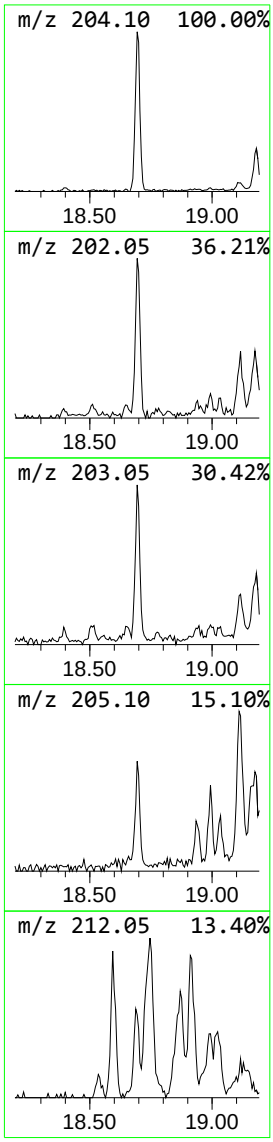
****

Peak Number 13 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.693	6.44 ng	138533	Phenanthrene-d10	17.319

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
4	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	50
5	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042524\
Data File : BG061042.D
Acq On : 25 Apr 2024 18:03
Operator : MA/JU
Sample : P2258-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-042424

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

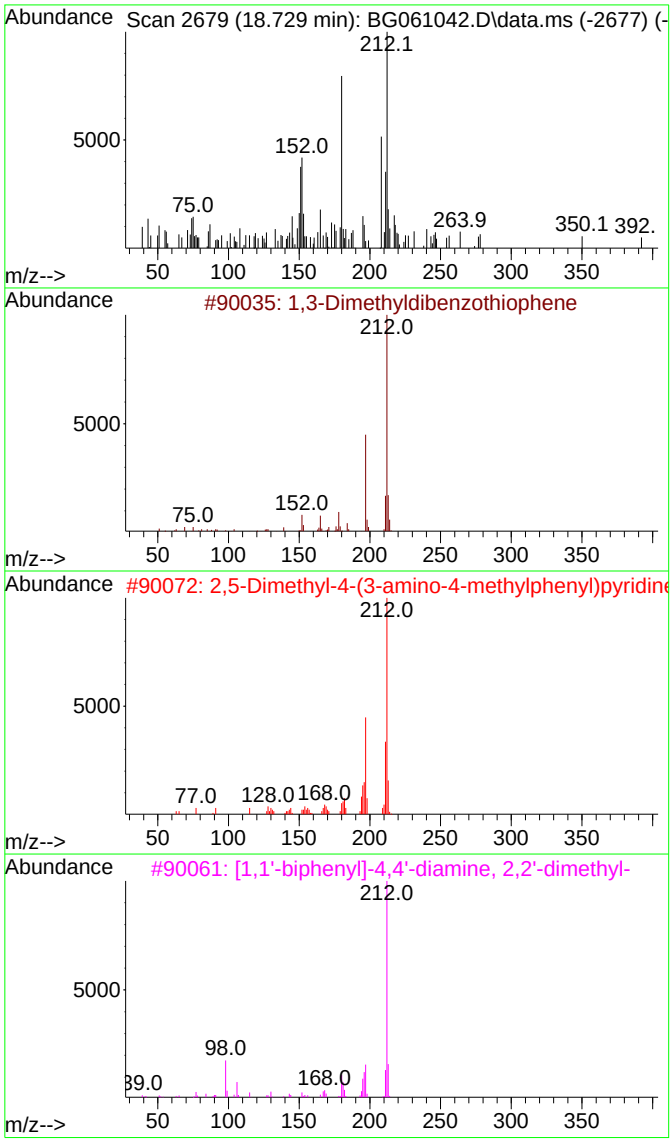
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

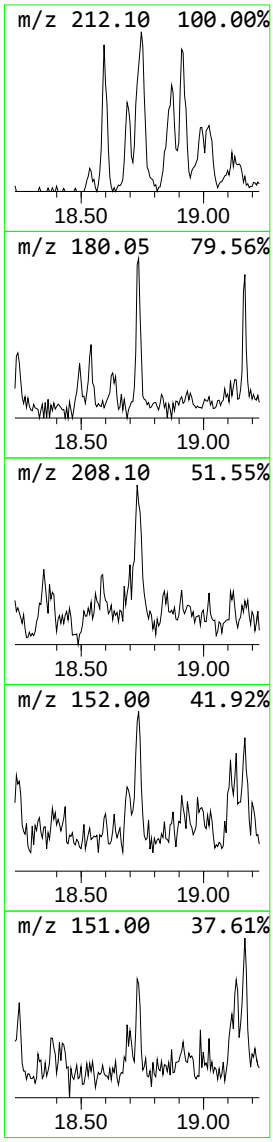
****

Peak Number 14 unknown18.729 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.729	3.76 ng	80771	Phenanthrene-d10	17.319

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dimethyldibenzothiophene	212	C14H12S	1010383-55-0	30
2	2,5-Dimethyl-4-(3-amino-4-methyl...	212	C14H16N2	071153-33-8	30
3	[1,1'-biphenyl]-4,4'-diamine, 2,...	212	C14H16N2	1000400-65-3	25
4	[1,1'-Biphenyl]-4,4'-diamine, 3,...	212	C14H16N2	000119-93-7	25
5	(NB)2-Dimers of 5,6-diethyl-7,8,...	482	C22H48B2N2S2Si2	1000157-45-7	22





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042524\
Data File : BG061042.D
Acq On : 25 Apr 2024 18:03
Operator : MA/JU
Sample : P2258-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-042424

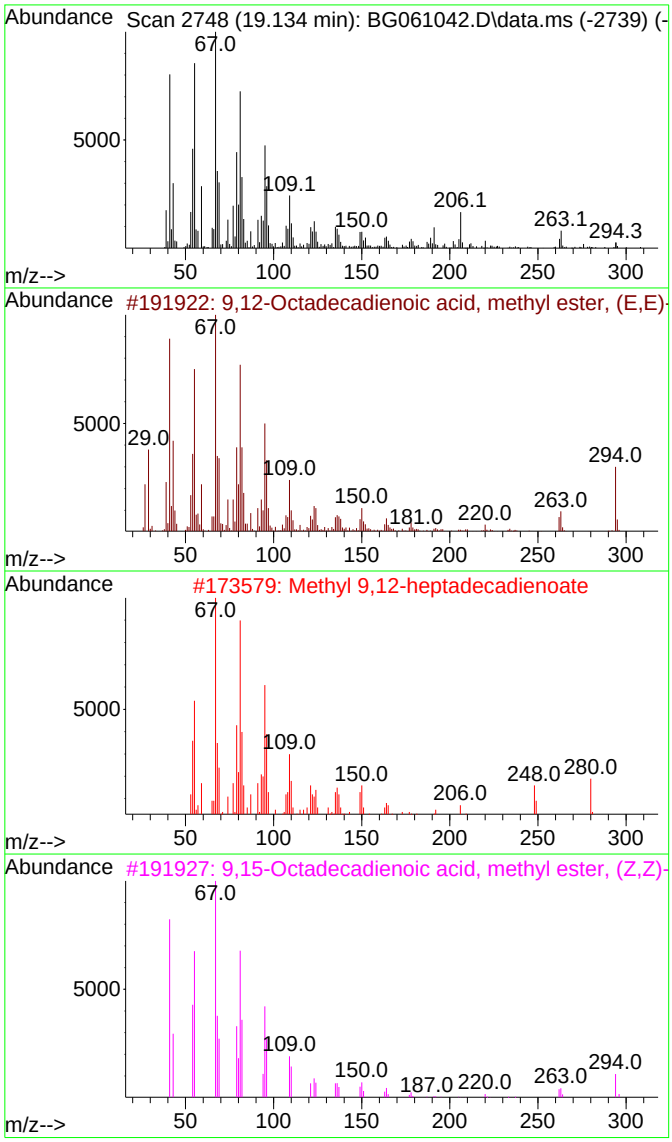
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

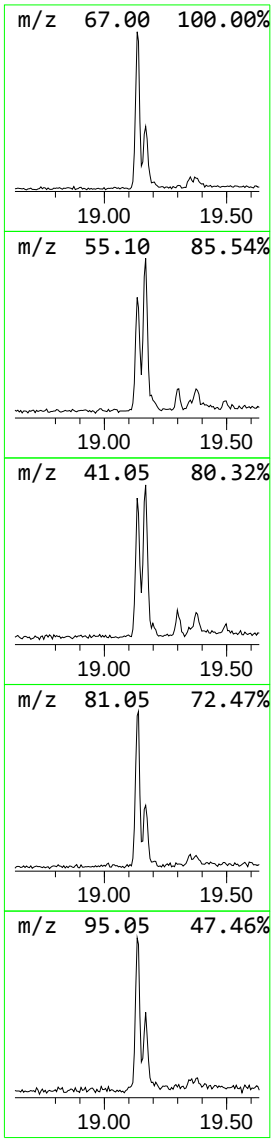
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 9,12-Octadecadienoic acid, ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.134	34.32 ng	738016	Phenanthrene-d10	17.319

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	Methyl 9,12-heptadecadienoate	280	C18H32O2	1000336-36-2	97
3	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	96
4	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	96
5	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042524\
Data File : BG061042.D
Acq On : 25 Apr 2024 18:03
Operator : MA/JU
Sample : P2258-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-042424

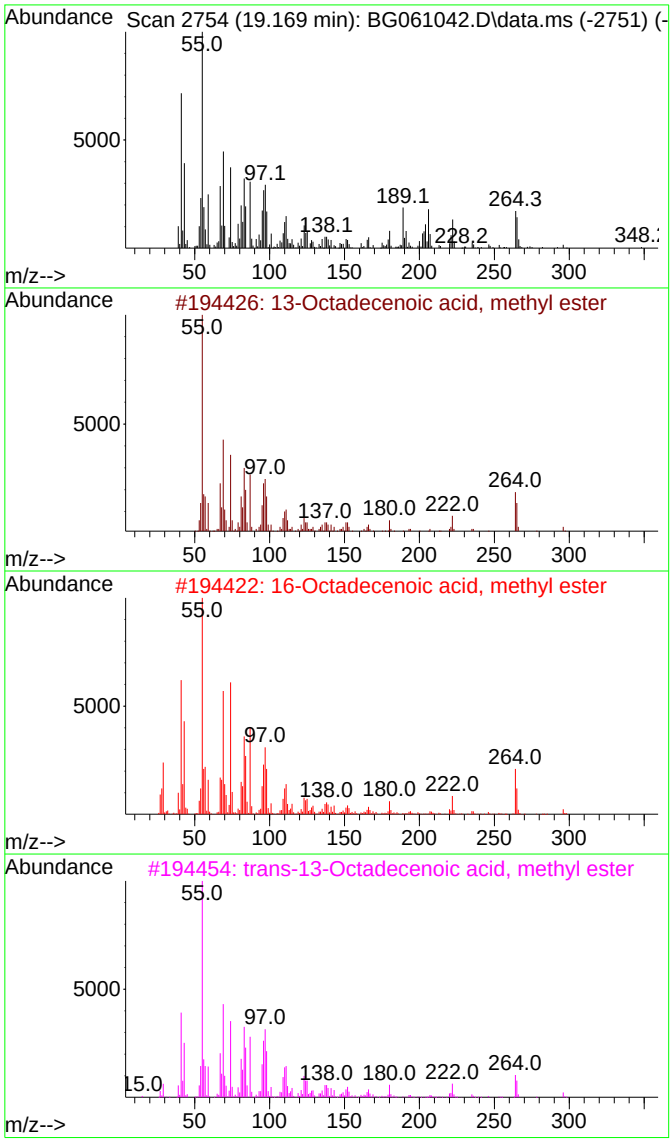
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

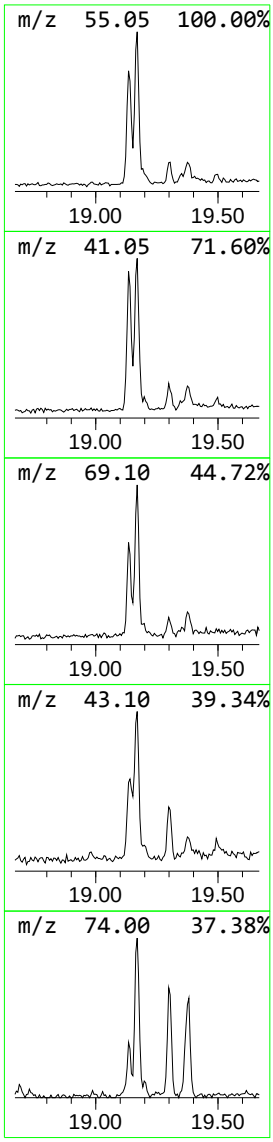
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 13-Octadecenoic acid, methy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.169	23.72 ng	510113	Phenanthrene-d10	17.319

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	98
2	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	96
3	trans-13-Octadecenoic acid, meth...	296	C19H36O2	1000333-61-3	96
4	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	92
5	6-Octadecenoic acid, methyl este...	296	C19H36O2	002777-58-4	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042524\
Data File : BG061042.D
Acq On : 25 Apr 2024 18:03
Operator : MA/JU
Sample : P2258-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-042424

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

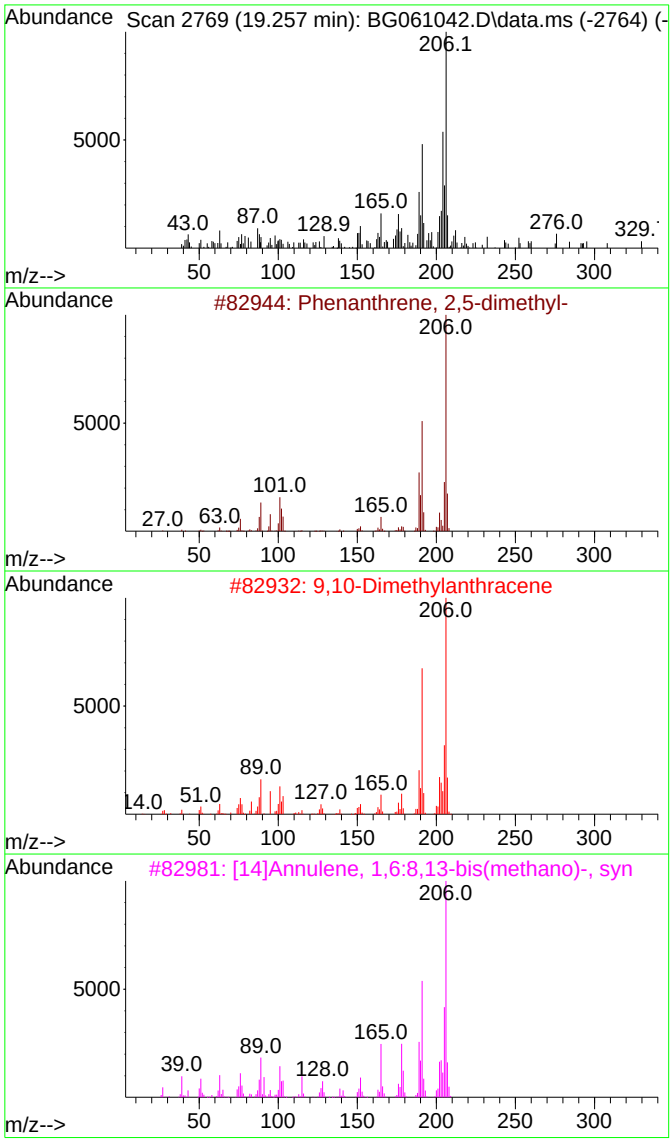
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

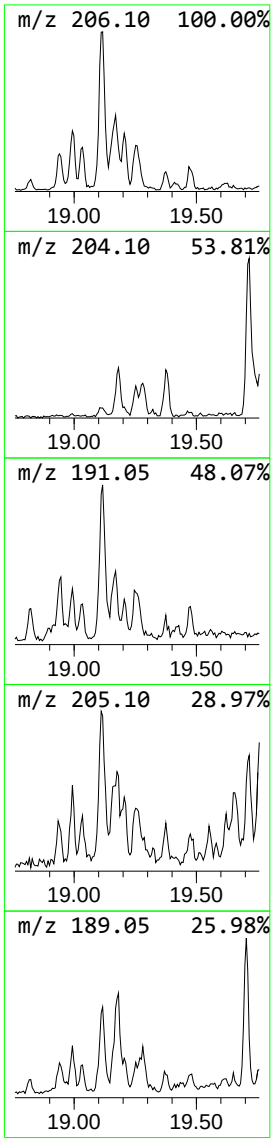
****

Peak Number 17 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.257	4.41 ng	94831	Phenanthrene-d10	17.319

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	62
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	62
3	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	62
4	Indeno[2,1-a]indene, 4b,5,9b,10-...	206	C16H14	016293-79-1	62
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042524\
Data File : BG061042.D
Acq On : 25 Apr 2024 18:03
Operator : MA/JU
Sample : P2258-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-042424

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

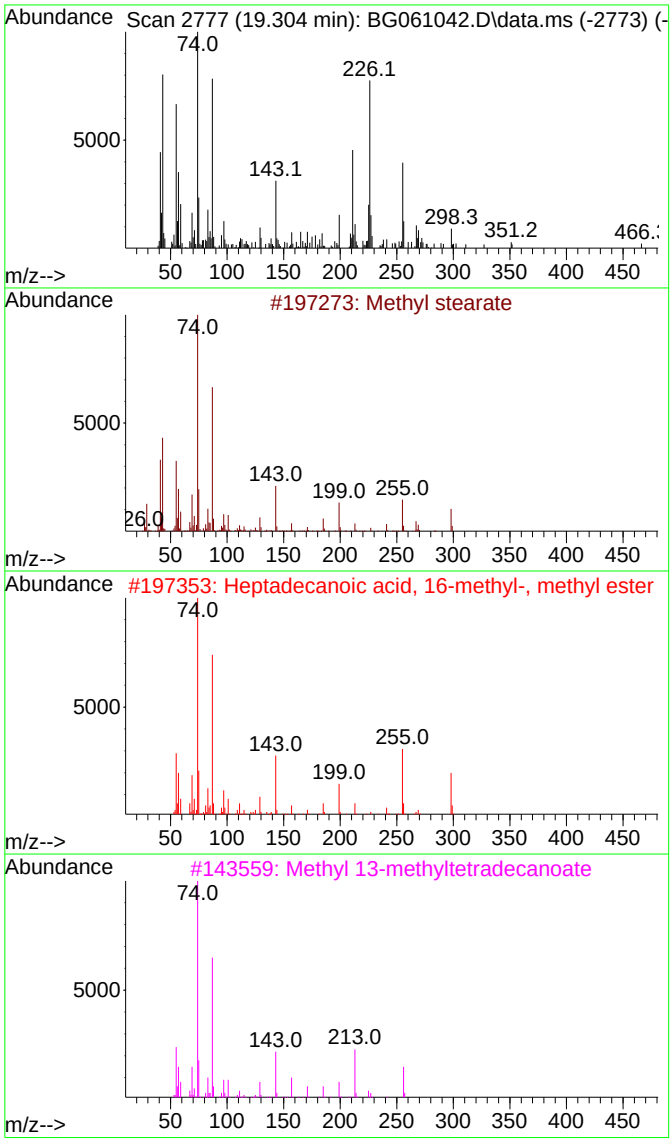
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

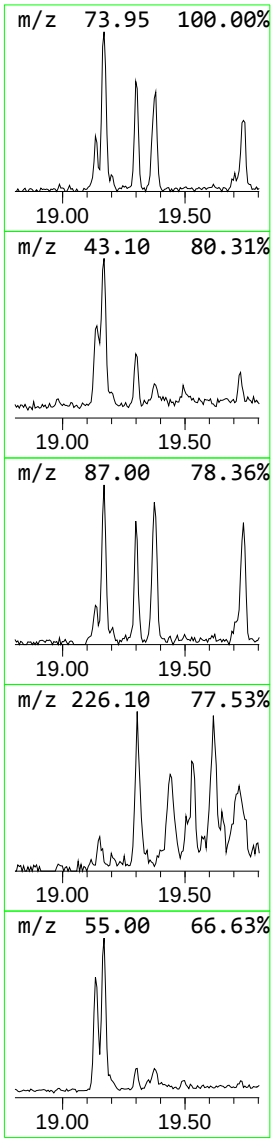
****

Peak Number 18 Methyl stearate Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.304	5.69 ng	122456	Phenanthrene-d10	17.319

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl stearate	298	C19H38O2	000112-61-8	50
2	Heptadecanoic acid, 16-methyl-, ...	298	C19H38O2	005129-61-3	49
3	Methyl 13-methyltetradecanoate	256	C16H32O2	1000424-50-7	46
4	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	46
5	Dodecanoic acid, 10-methyl-, met...	228	C14H28O2	005129-65-7	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042524\
Data File : BG061042.D
Acq On : 25 Apr 2024 18:03
Operator : MA/JU
Sample : P2258-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-042424

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

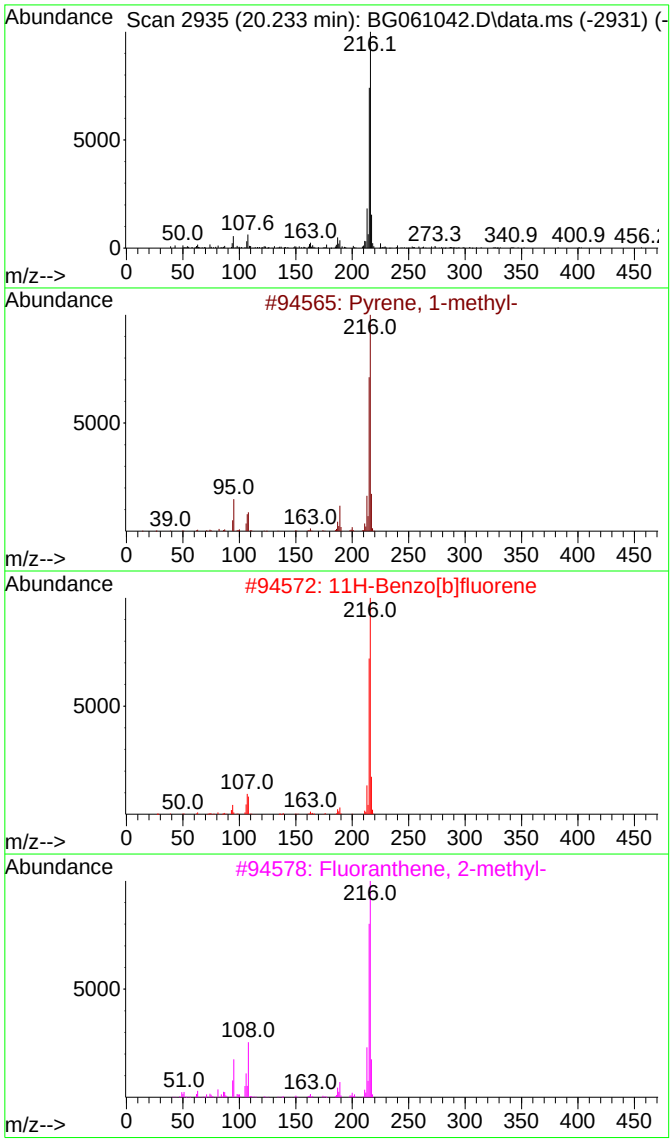
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

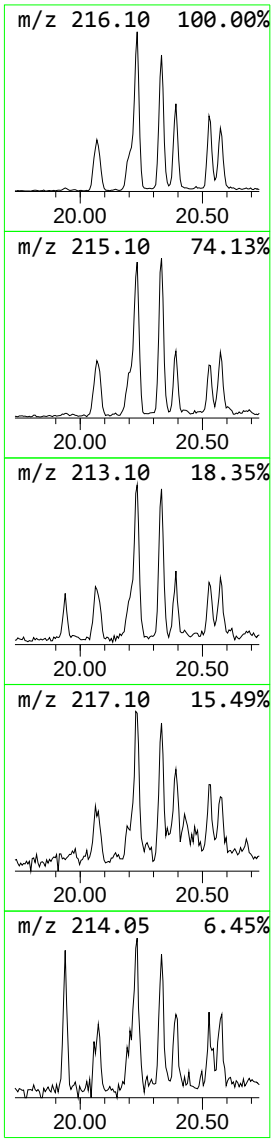
****

Peak Number 19 Pyrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.233	4.39 ng	284817	Chrysene-d12	21.584

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042524\
Data File : BG061042.D
Acq On : 25 Apr 2024 18:03
Operator : MA/JU
Sample : P2258-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-042424

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

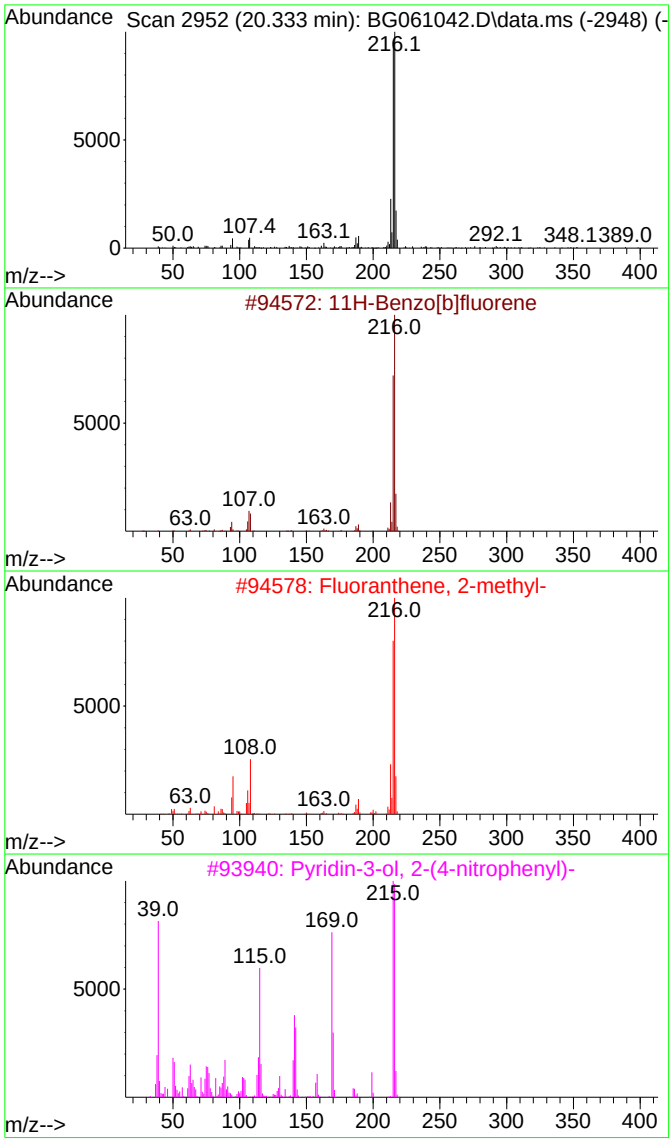
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

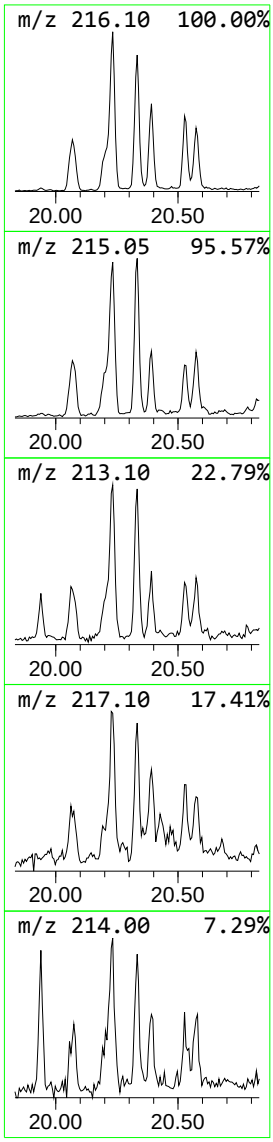
****

Peak Number 20 11H-Benzo[b]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.333	3.26 ng	211359	Chrysene-d12	21.584

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	80
3	Pyridin-3-ol, 2-(4-nitrophenyl)-	216	C11H8N2O3	030820-89-4	72
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	70
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042524\
Data File : BG061042.D
Acq On : 25 Apr 2024 18:03
Operator : MA/JU
Sample : P2258-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-042424

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.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,...	13.893	3.5	ng	66595	3	14.569	385583	20.0
9H-Fluoren-9-ol	15.914	2.9	ng	56042	3	14.569	385583	20.0
Dodecane	16.296	5.0	ng	107827	4	17.319	430128	20.0
9H-Fluorene, 2-...	16.625	3.2	ng	68255	4	17.319	430128	20.0
Dibenzothiophene	17.136	5.0	ng	107219	4	17.319	430128	20.0
unknown17.830	17.830	3.3	ng	71474	4	17.319	430128	20.0
Hexadecanoic ac...	17.994	8.7	ng	187674	4	17.319	430128	20.0
Anthracene, 2-m...	18.194	8.5	ng	182512	4	17.319	430128	20.0
Phenanthrene, 4...	18.247	10.3	ng	222126	4	17.319	430128	20.0
Anthracene, 9-m...	18.323	3.6	ng	77251	4	17.319	430128	20.0
4H-Cyclopenta[d...	18.388	18.2	ng	392063	4	17.319	430128	20.0
Phenanthrene, 1...	18.429	6.5	ng	139934	4	17.319	430128	20.0
5,16[1',2']:8,1...	18.693	6.4	ng	138533	4	17.319	430128	20.0
unknown18.729	18.729	3.8	ng	80771	4	17.319	430128	20.0
9,12-Octadecadi...	19.134	34.3	ng	738016	4	17.319	430128	20.0
13-Octadecenoic...	19.169	23.7	ng	510113	4	17.319	430128	20.0
Phenanthrene, 2...	19.257	4.4	ng	94831	4	17.319	430128	20.0
Methyl stearate	19.304	5.7	ng	122456	4	17.319	430128	20.0
Pyrene, 1-methyl-	20.233	4.4	ng	284817	5	21.584	1297730	20.0
11H-Benzo[b]flu...	20.333	3.3	ng	211359	5	21.584	1297730	20.0