LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100821\
Data File : BG050527.D
Acq On : 9 Oct 2021 3:15
Operator : CG/JU
Sample : M4118-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CONCRETE-100621-01

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG050527.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.327	307	313	323	rBV	59641	100188	3.66%	0.474%
2	5.797	385	393	404	rBV	877646	1436085	52.41%	6.799%
3	7.401	657	666	676	rBV	911805	1625318	59.32%	7.695%
4	8.259	803	812	827	rVB	247642	433322	15.82%	2.051%
5	9.428	1003	1011	1022	rVB	562808	1057915	38.61%	5.008%
6	10.826	1242	1249	1258	rBV2	101358	171166	6.25%	0.810%
7	11.085	1285	1293	1300	rBV	346242	629393	22.97%	2.980%
8	13.500	1695	1704	1712	rBV	1349973	2190208	79.94%	10.369%
9	13.746	1741	1746	1752	rVB	49558	76755	2.80%	0.363%
10	14.875	1929	1938	1945	rBV	530472	851686	31.08%	4.032%
11	14.939	1945	1949	1955	rVB2	24063	37573	1.37%	0.178%
12	15.268	1997	2005	2012	rVB3	18887	33444	1.22%	0.158%
13	15.920	2110	2116	2122	rBV	33182	55693	2.03%	0.264%
14	16.361	2184	2191	2198	rBV	814305	1281290	46.76%	6.066%
15	17.436	2371	2374	2383	rVB	28293	43242	1.58%	0.205%
16	17.618	2398	2405	2409	rBV	597129	955699	34.88%	4.524%
17	17.665	2409	2413	2419	rVV	345108	524868	19.16%	2.485%
18	17.753	2423	2428	2433	rVB	78929	120198	4.39%	0.569%
19	18.018	2469	2473	2479	rVB2	24592	37694	1.38%	0.178%
20	18.259	2510	2514	2520	rVB	29374	42826	1.56%	0.203%
21	18.494	2548	2554	2558	rBV	77342	137439	5.02%	0.651%
22	18.541	2558	2562	2568	rVB2	95773	150561	5.50%	0.713%
23	18.623	2571	2576	2580	rVB	36108	53797	1.96%	0.255%
24	18.688	2580	2587	2590	rBV2	91180	196983	7.19%	0.933%
25	18.723	2590	2593	2597	rVB	61668	82782	3.02%	0.392%
26	18.981	2632	2637	2641	rBV	47020	72811	2.66%	0.345%
27	19.023	2641	2644	2650	rVB5	26073	41510	1.52%	0.197%
28	19.222	2675	2678	2683	rVB3	22439	29737	1.09%	0.141%
29	19.316	2691	2694	2701	rVB6	20204	34528	1.26%	0.163%
30	19.416	2703	2711	2715	rBV2	103471	245152	8.95%	1.161%
31	19.546	2727	2733	2743	rBV5	61369	122891	4.49%	0.582%
32	19.663	2747	2753	2758	rBV	455410	659397	24.07%	3.122%
33	20.021	2802	2814	2820	rBV	439159	785867	28.68%	3.720%
34	20.086	2822	2825	2830	rVB2	35897	54171	1.98%	0.256%
35	20.209	2840	2846	2851	rBV	2029555	2739907	100.00%	12.971%
36	20.350	2864	2870	2876	rVB3	44241	104157	3.80%	0.493%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100821\
Data File : BG050527.D
Acq On : 9 Oct 2021 3:15
Operator : CG/JU
Sample : M4118-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CONCRETE-100621-01

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	20.462	2886	2889	2892	rBV5	59315	89949	3.28%	0.426%
38	20.503	2893	2896	2904	rVB3	76648	132640	4.84%	0.628%
39	20.603	2910	2913	2917	rBV2	46226	57717	2.11%	0.273%
40	20.668	2921	2924	2928	rVB2	53872	72219	2.64%	0.342%
41	20.803	2944	2947	2950	rBV	43275	62456	2.28%	0.296%
42	21.520	3065	3069	3075	rVB2	168841	244662	8.93%	1.158%
43	21.919	3128	3137	3142	rBV2	545522	1273329	46.47%	6.028%
44	21.972	3142	3146	3152	rVB	172725	290183	10.59%	1.374%
45	24.240	3527	3532	3541	rBV2	87399	269983	9.85%	1.278%
46	25.016	3659	3664	3673	rVB	70166	193513	7.06%	0.916%
47	25.168	3684	3690	3701	rVB	97868	288804	10.54%	1.367%
48	25.339	3709	3719	3729	rBV3	300970	931189	33.99%	4.408%

Sum of corrected areas: 21122897

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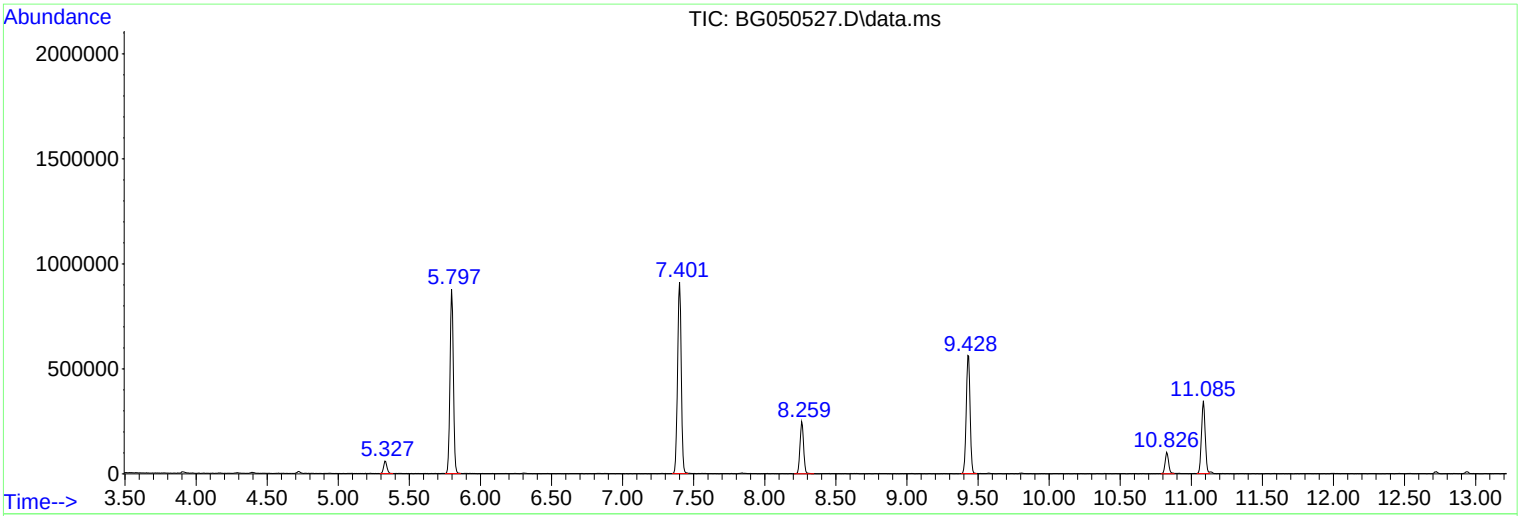
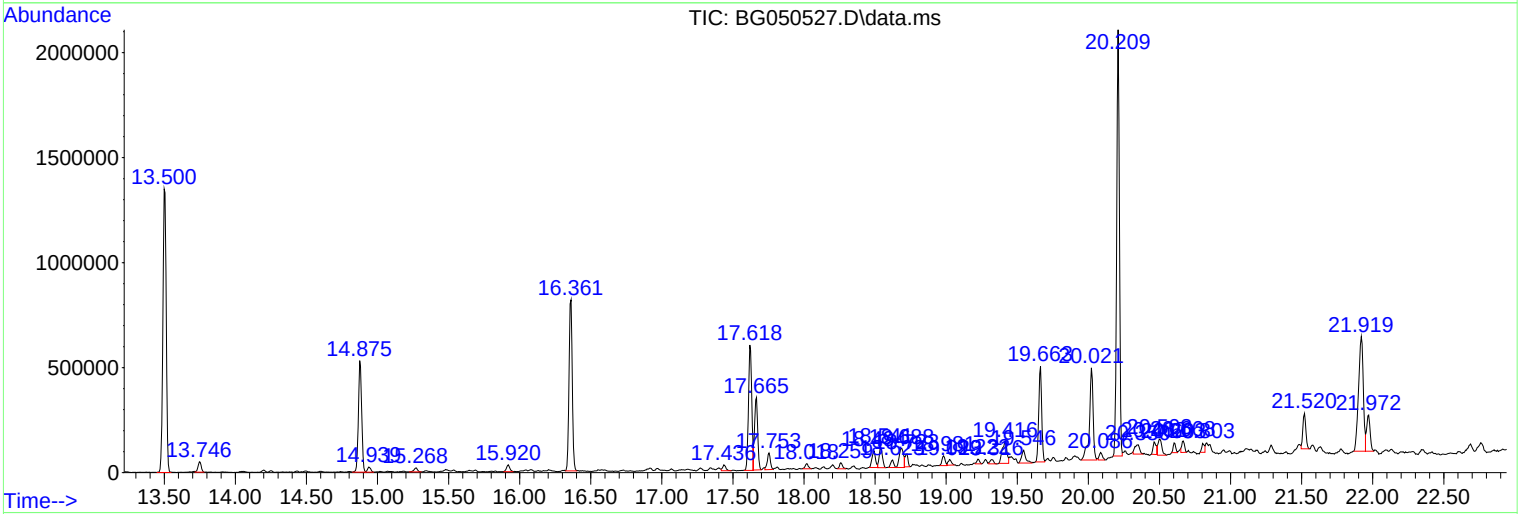
Misc :
ALS Vial : 16 Sample Multiplier: 1

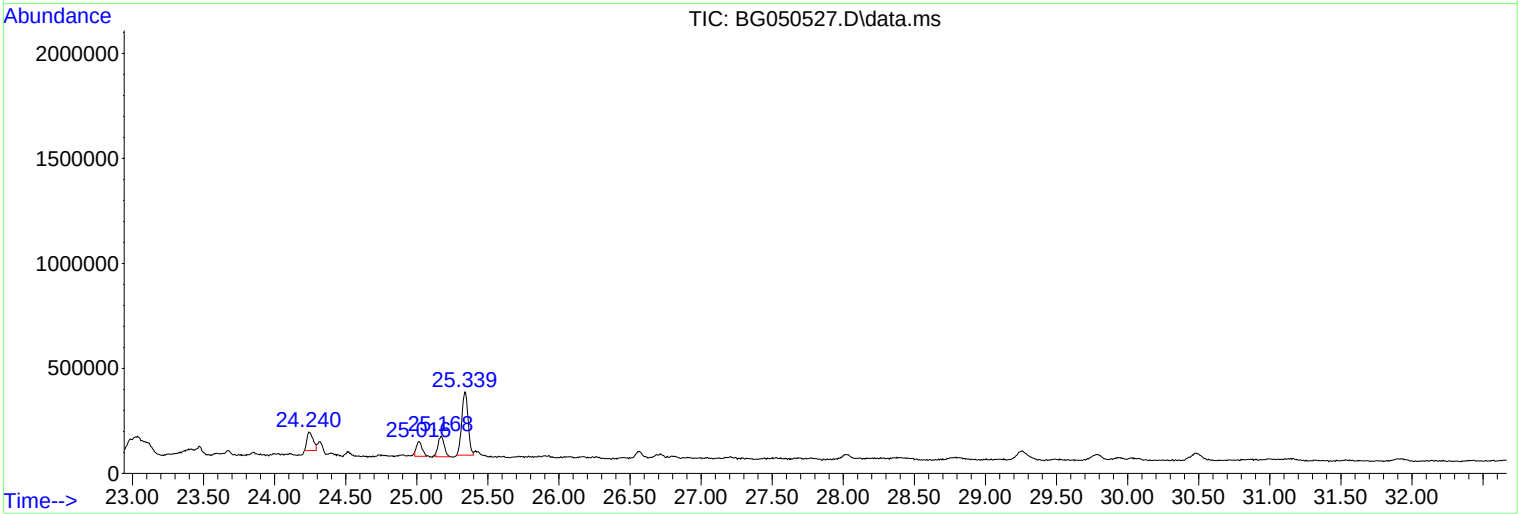
Instrument :
BNA_G
ClientSampleId :
CONCRETE-100621-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.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\BG100821\
Data File : BG050527.D
Acq On : 9 Oct 2021 3:15
Operator : CG/JU
Sample : M4118-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CONCRETE-100621-01

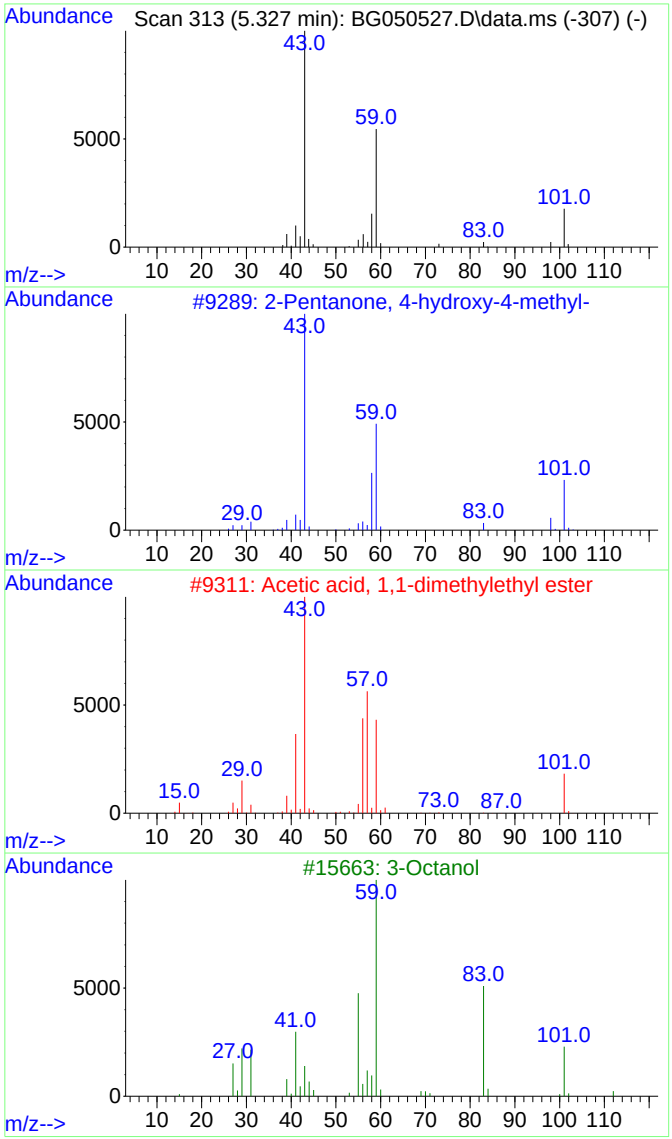
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

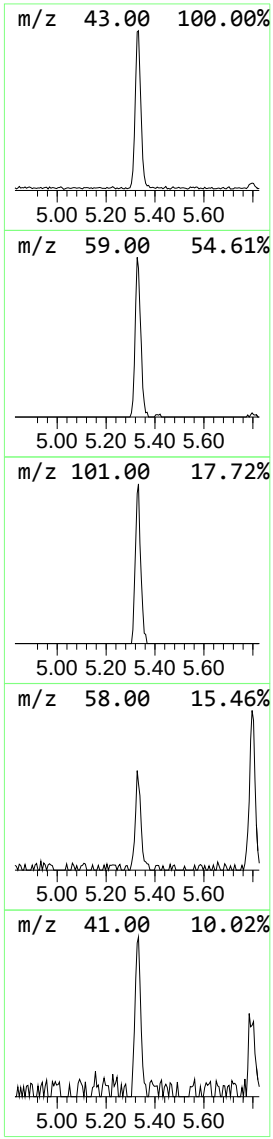
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.327	4.62 ng	100188	1,4-Dichlorobenzene-d4	8.259

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
3	3-Octanol	130	C8H18O	000589-98-0	33
4	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	27





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100821\
Data File : BG050527.D
Acq On : 9 Oct 2021 3:15
Operator : CG/JU
Sample : M4118-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CONCRETE-100621-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

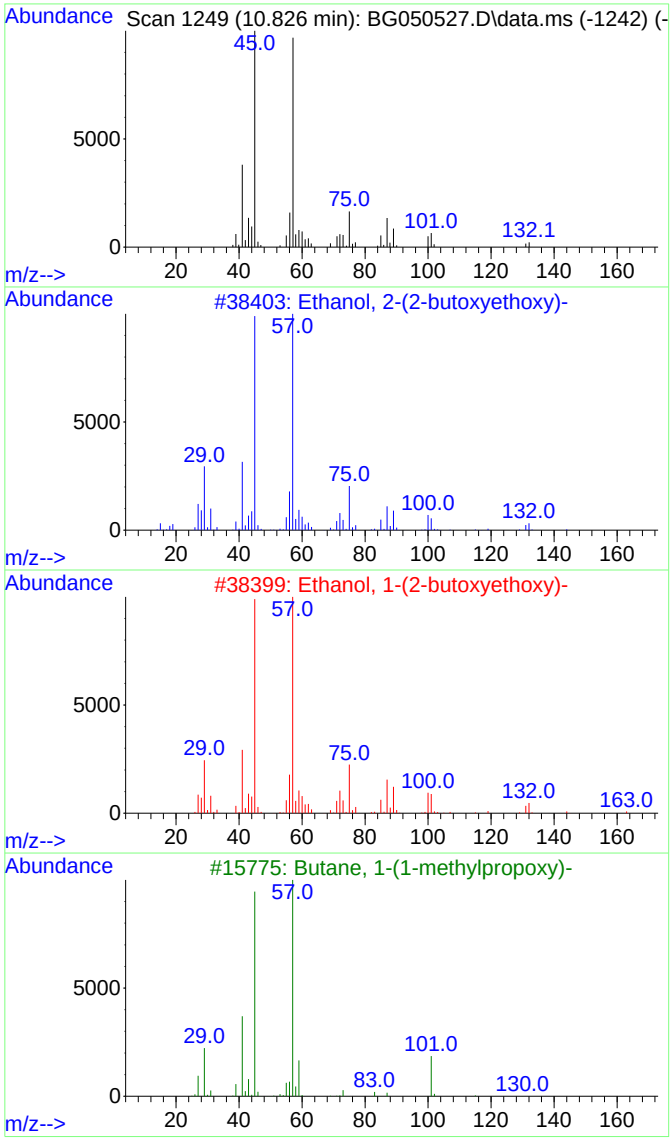
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

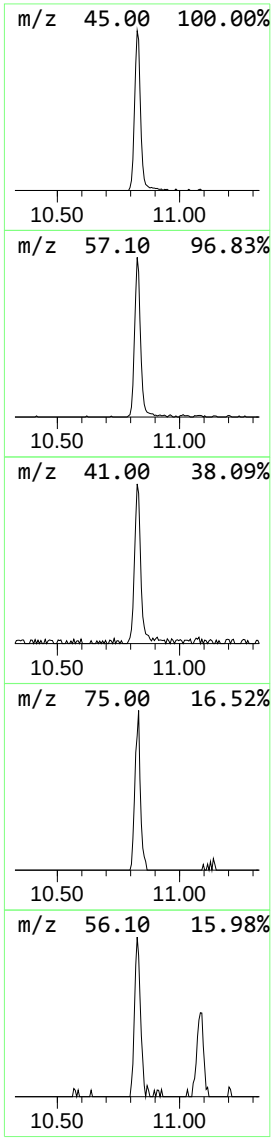
****

Peak Number 2 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.826	5.44 ng	171166	Naphthalene-d8	11.085

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(2-butoxyethoxy)-	162	C8H18O3	000112-34-5	90
2	Ethanol, 1-(2-butoxyethoxy)-	162	C8H18O3	054446-78-5	78
3	Butane, 1-(1-methylpropoxy)-	130	C8H18O	000999-65-5	53
4	Propanoic acid, 2-hydroxy-, 2-me...	146	C7H14O3	000585-24-0	53
5	3,3-Dimethylbutane-2-ol	102	C6H14O	000464-07-3	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100821\
Data File : BG050527.D
Acq On : 9 Oct 2021 3:15
Operator : CG/JU
Sample : M4118-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CONCRETE-100621-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

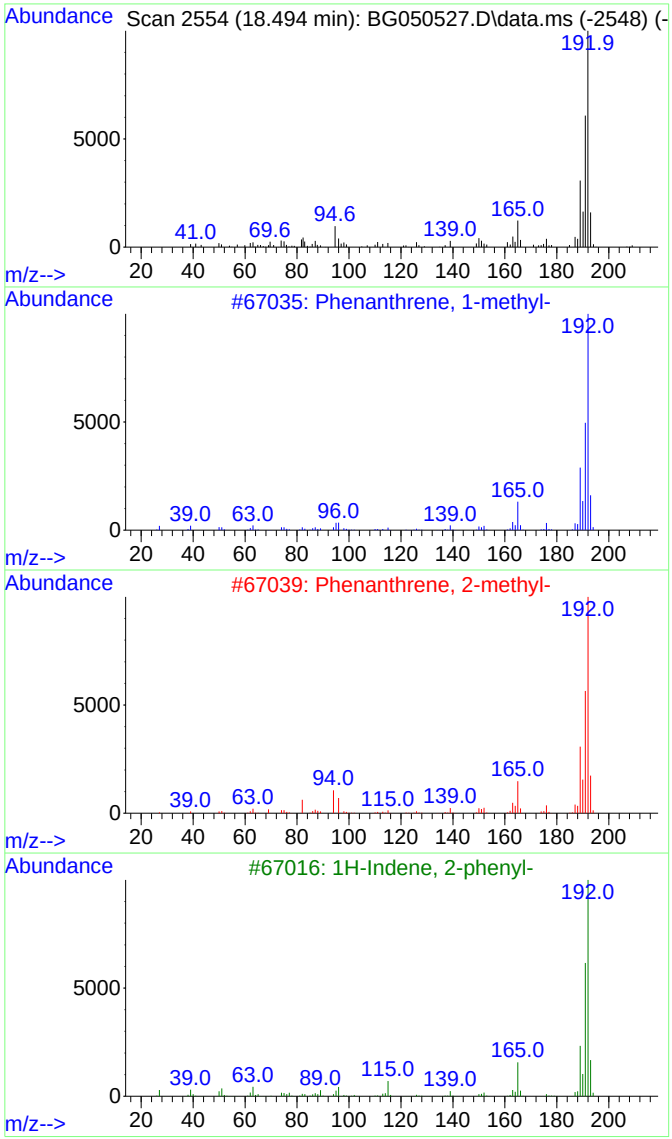
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

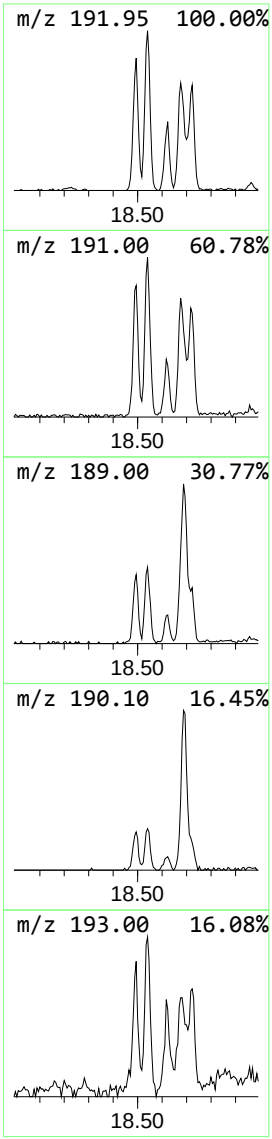
****

Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.494	2.88 ng	137439	Phenanthrene-d10	17.618

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	94
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100821\
Data File : BG050527.D
Acq On : 9 Oct 2021 3:15
Operator : CG/JU
Sample : M4118-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CONCRETE-100621-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

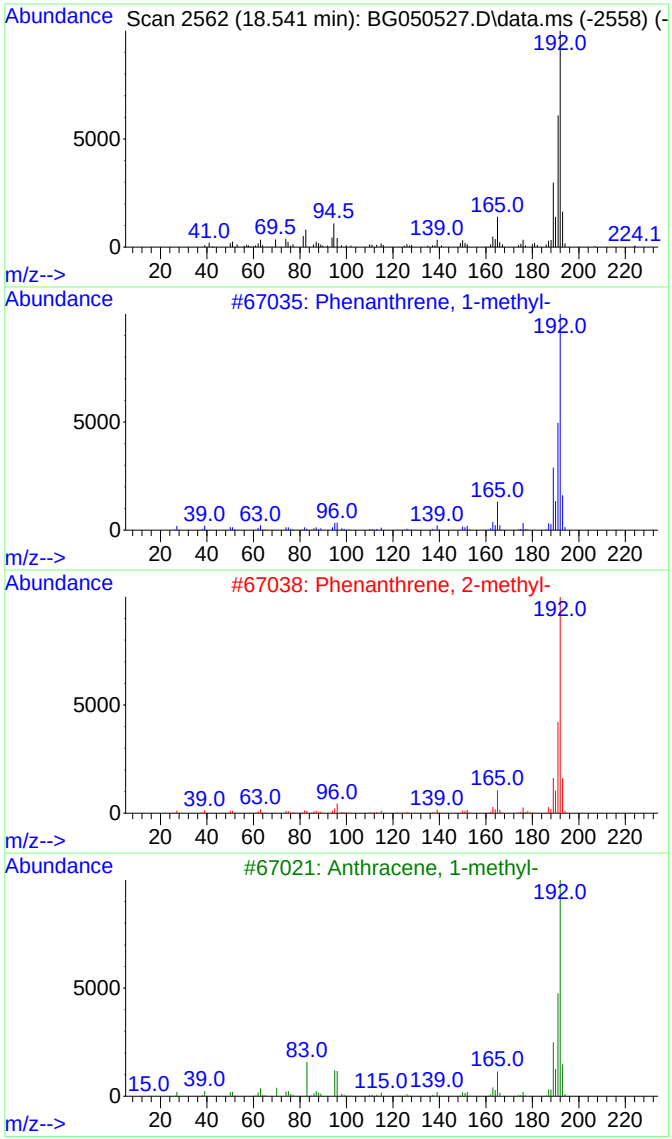
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

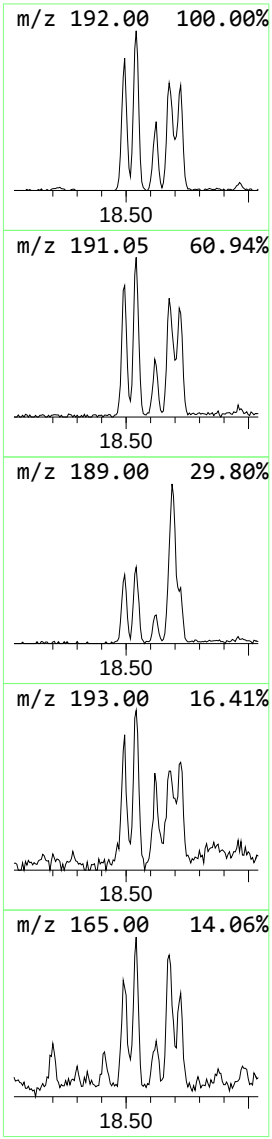
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.541	3.15 ng	150561	Phenanthrene-d10	17.618

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	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100821\
Data File : BG050527.D
Acq On : 9 Oct 2021 3:15
Operator : CG/JU
Sample : M4118-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CONCRETE-100621-01

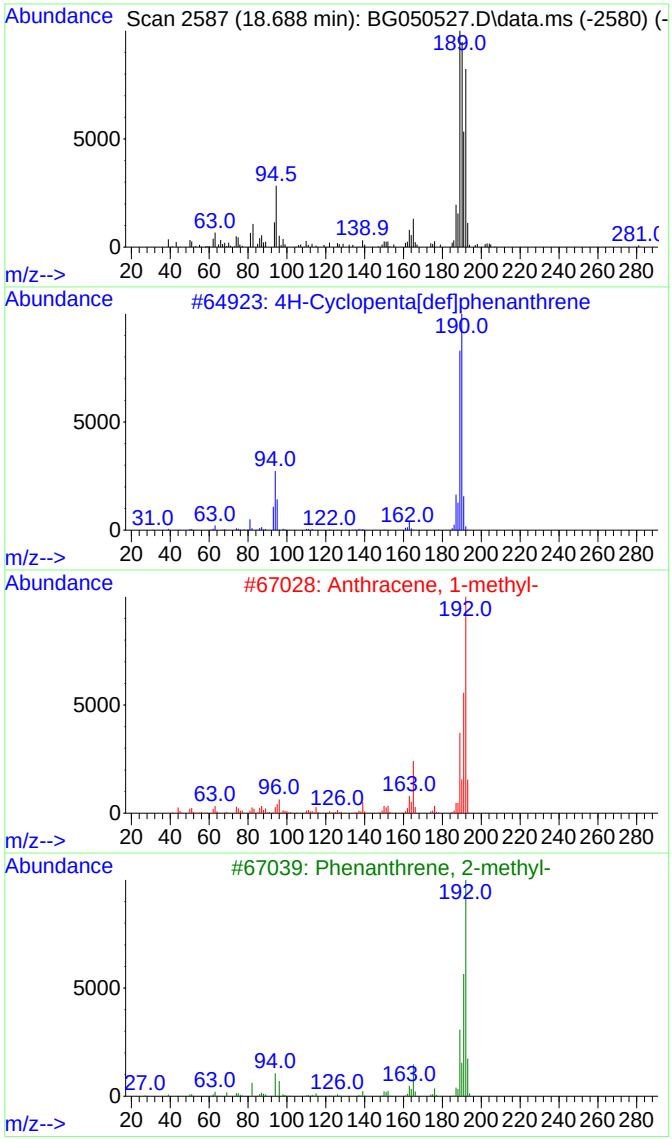
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

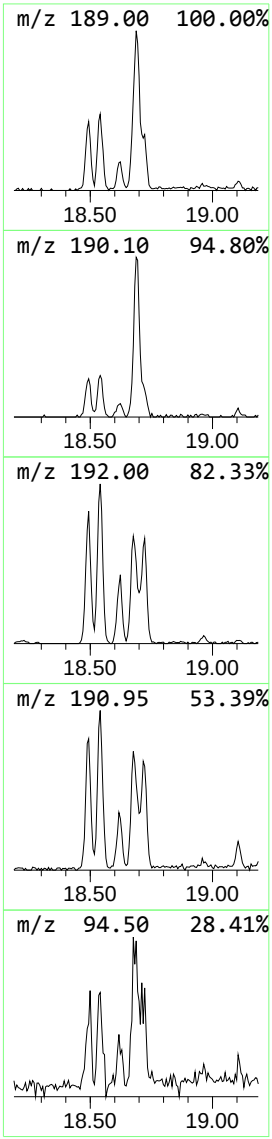
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.688	4.12 ng	196983	Phenanthrene-d10	17.618

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	49
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	46
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42





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Acq On : 9 Oct 2021 3:15
Operator : CG/JU
Sample : M4118-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CONCRETE-100621-01

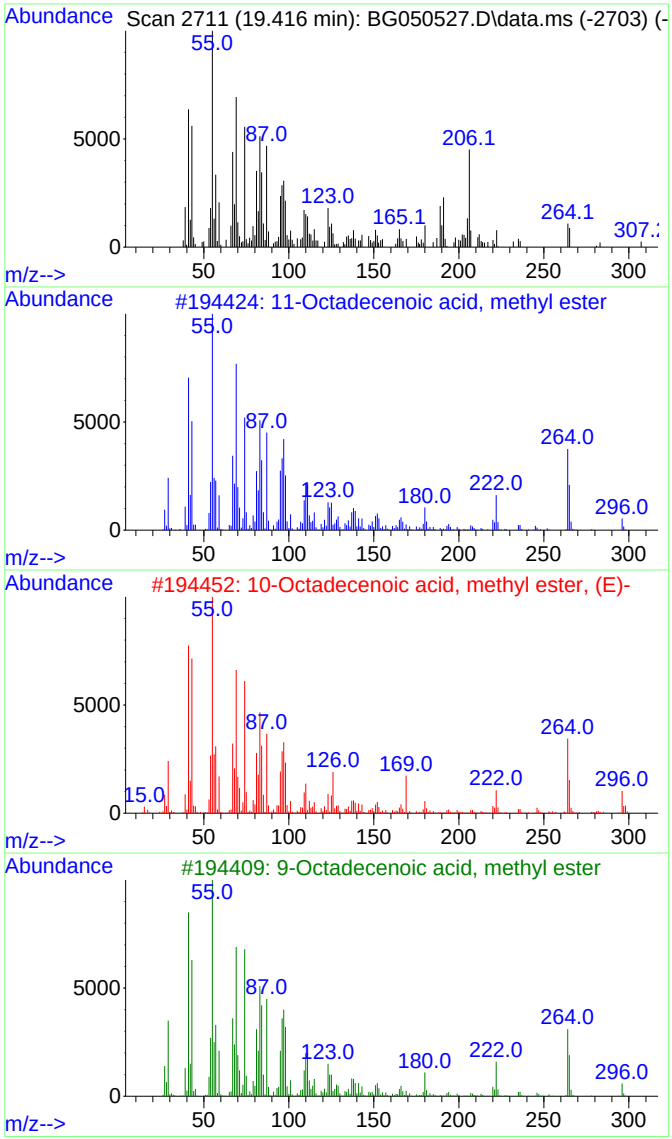
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

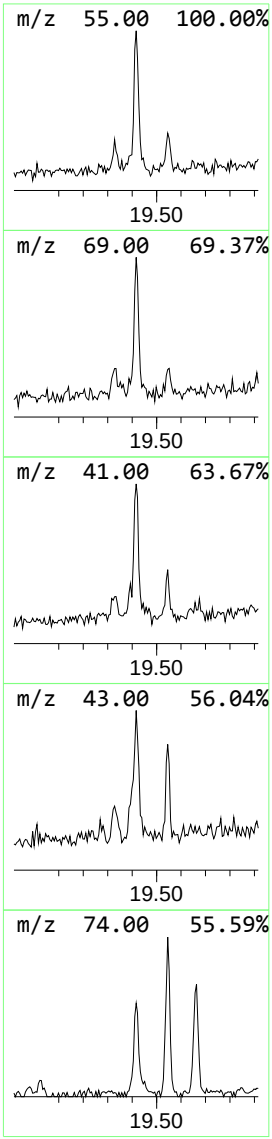
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 11-Octadecenoic acid, methy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.416	5.13 ng	245152	Phenanthrene-d10	17.618

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11-Octadecenoic acid, methyl ester	296	C19H36O2	052380-33-3	89
2	10-Octadecenoic acid, methyl est...	296	C19H36O2	013038-45-4	76
3	9-Octadecenoic acid, methyl ester	296	C19H36O2	002462-84-2	70
4	11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	70
5	8-Octadecenoic acid, methyl ester	296	C19H36O2	002345-29-1	64





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Operator : CG/JU
Sample : M4118-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CONCRETE-100621-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

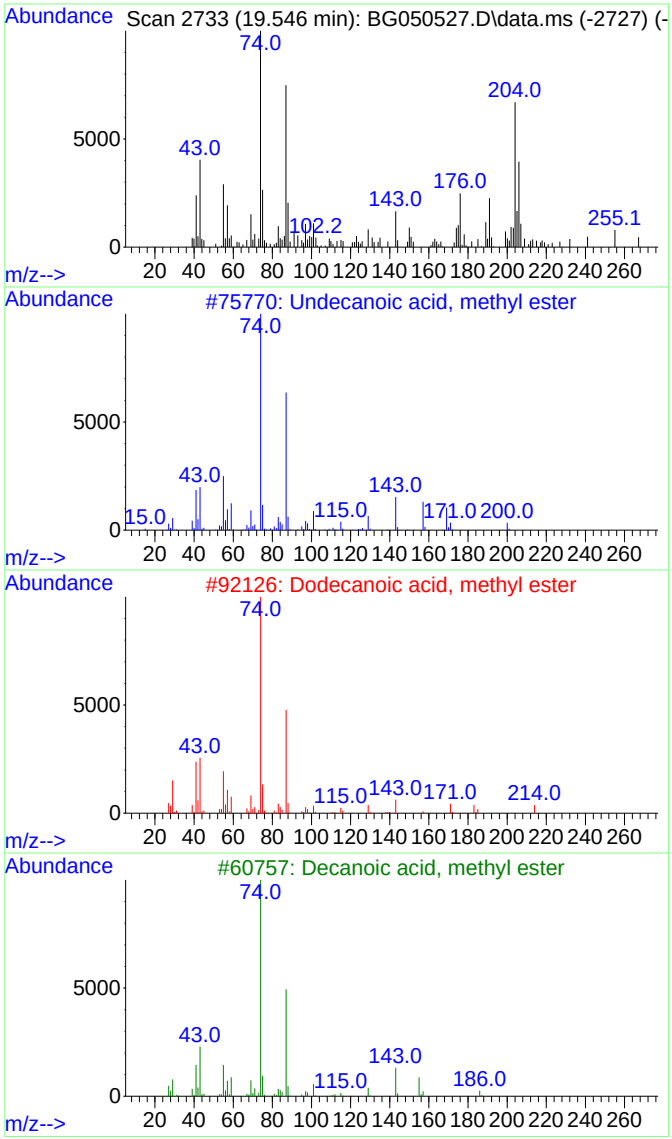
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

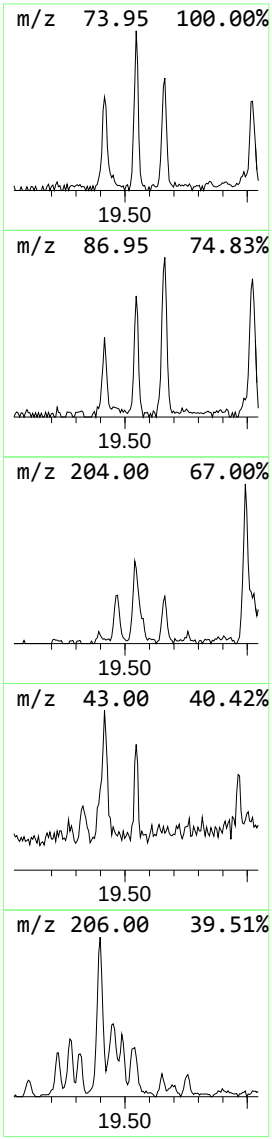
****

Peak Number 7 unknown19.546 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.546	2.57 ng	122891	Phenanthrene-d10	17.618

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecanoic acid, methyl ester	200	C12H24O2	001731-86-8	43
2	Dodecanoic acid, methyl ester	214	C13H26O2	000111-82-0	38
3	Decanoic acid, methyl ester	186	C11H22O2	000110-42-9	38
4	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	38
5	Methyl tetradecanoate	242	C15H30O2	000124-10-7	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100821\
Data File : BG050527.D
Acq On : 9 Oct 2021 3:15
Operator : CG/JU
Sample : M4118-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CONCRETE-100621-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

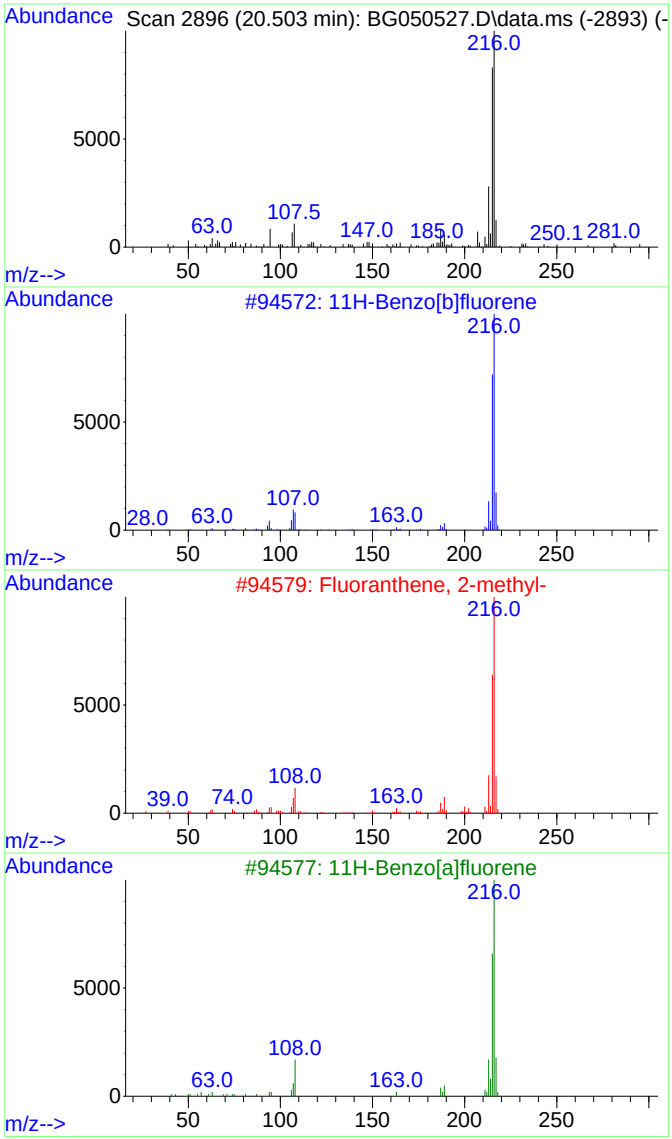
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

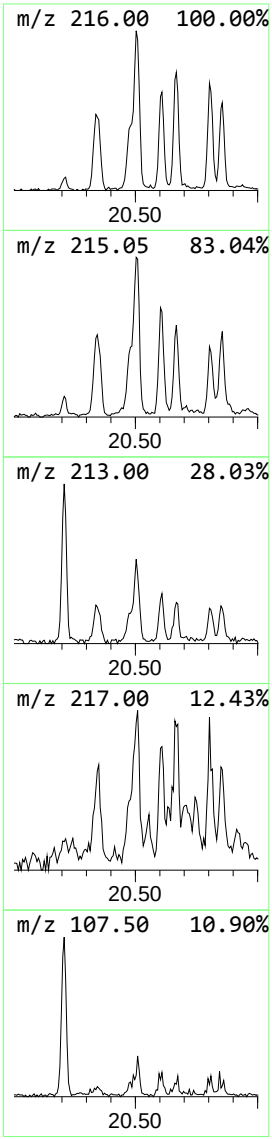
****

Peak Number 8 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.503	2.08 ng	132640	Chrysene-d12	21.925

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	72
5	trans-p-(Trifluoromethyl)cinnami...	216	C10H7F3O2	016642-92-5	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100821\
Data File : BG050527.D
Acq On : 9 Oct 2021 3:15
Operator : CG/JU
Sample : M4118-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CONCRETE-100621-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.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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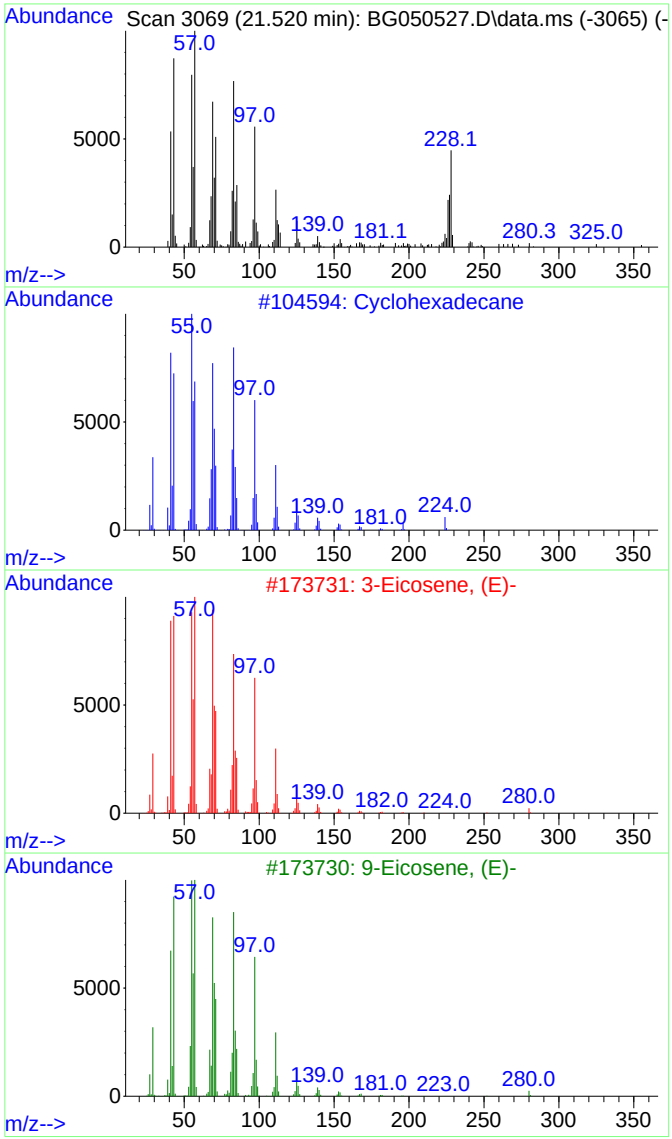
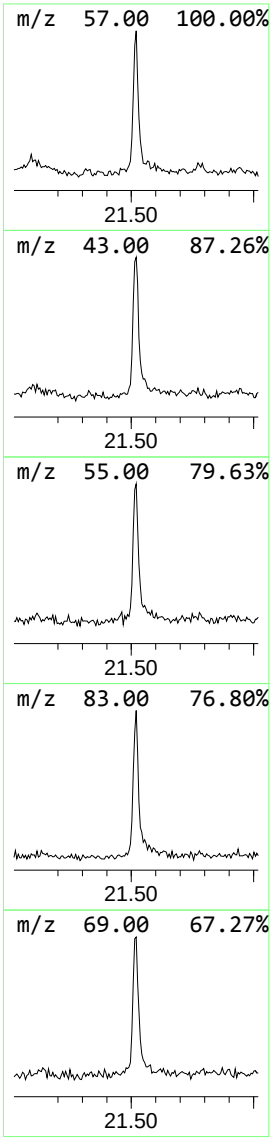
Peak Number 9 Cyclohexadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.520	3.84 ng	244662	Chrysene-d12	21.925

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	96
2	3-Eicosene, (E)-	280	C20H40	074685-33-9	96
3	9-Eicosene, (E)-	280	C20H40	074685-29-3	91
4	5-Eicosene, (E)-	280	C20H40	074685-30-6	83
5	Cetene	224	C16H32	000629-73-2	80





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Data File : BG050527.D
Acq On : 9 Oct 2021 3:15
Operator : CG/JU
Sample : M4118-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CONCRETE-100621-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.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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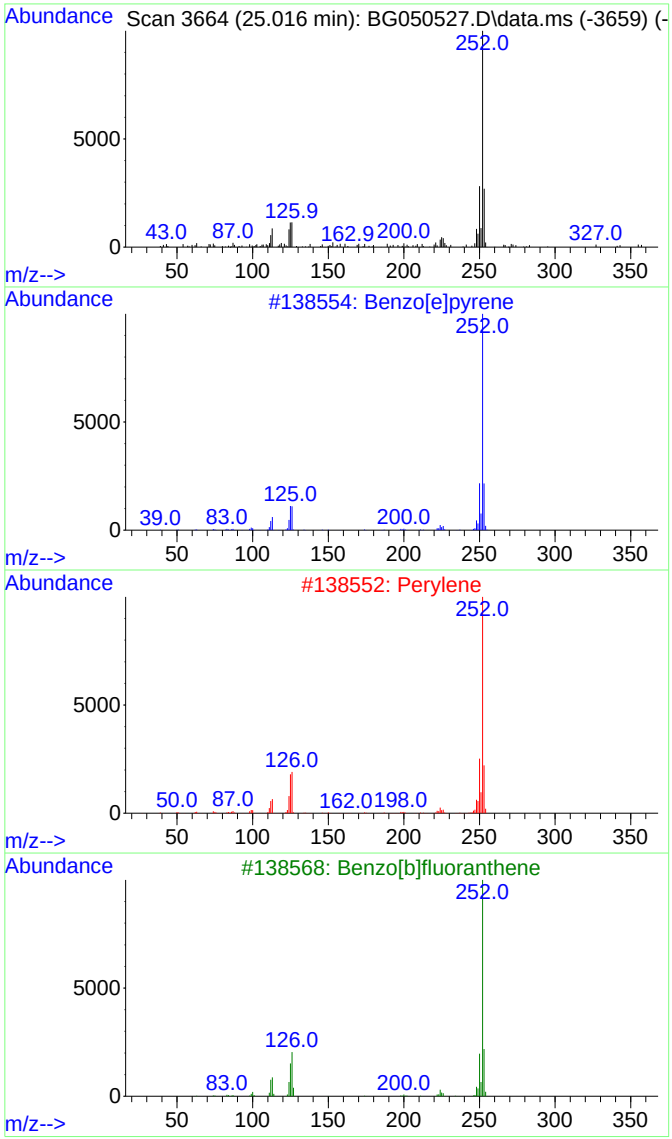
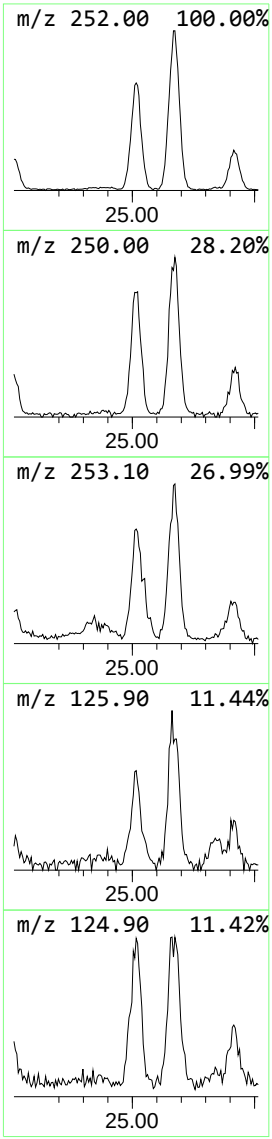
Peak Number 10 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.016	4.16 ng	193513	Perylene-d12	25.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2	Perylene	252	C20H12	000198-55-0	90
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	87
4	Benzo[a]pyrene	252	C20H12	000050-32-8	81
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100821\
Data File : BG050527.D
Acq On : 9 Oct 2021 3:15
Operator : CG/JU
Sample : M4118-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CONCRETE-100621-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.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-...	5.327	4.6	ng	100188	1	8.259	433322	20.0
Ethanol, 2-(2-b...	10.826	5.4	ng	171166	2	11.085	629393	20.0
Phenanthrene, 1...	18.494	2.9	ng	137439	4	17.618	955699	20.0
Phenanthrene, 2...	18.541	3.1	ng	150561	4	17.618	955699	20.0
4H-Cyclopenta[d...	18.688	4.1	ng	196983	4	17.618	955699	20.0
11-Octadecenoic...	19.416	5.1	ng	245152	4	17.618	955699	20.0
unknown19.546	19.546	2.6	ng	122891	4	17.618	955699	20.0
11H-Benzo[b]flu...	20.503	2.1	ng	132640	5	21.925	1273330	20.0
Cyclohexadecane	21.520	3.8	ng	244662	5	21.925	1273330	20.0
Benzo[e]pyrene	25.016	4.2	ng	193513	6	25.339	931189	20.0