LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064086.D
Acq On : 10 Mar 2025 18:26
Operator : RC/JU
Sample : Q1524-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-241

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-BG030525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG064086.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.456	395	403	413	rBV	686983	1080480	47.47%	6.911%
2	7.030	663	671	683	rBV	712080	1209280	53.13%	7.735%
3	7.865	805	813	820	rBV	167398	268697	11.80%	1.719%
4	9.016	1000	1009	1018	rBV	418946	721451	31.70%	4.615%
5	9.575	1098	1104	1113	rBV3	24292	40306	1.77%	0.258%
6	10.650	1280	1287	1295	rBV	217735	373311	16.40%	2.388%
7	13.112	1698	1706	1717	rVB	955128	1526718	67.07%	9.766%
8	14.486	1933	1940	1946	rBV	335823	513636	22.57%	3.285%
9	15.844	2165	2171	2176	rVB	89085	129837	5.70%	0.830%
10	15.967	2185	2192	2200	rBV	842497	1282767	56.36%	8.205%
11	16.872	2341	2346	2354	rBV5	27240	47402	2.08%	0.303%
12	17.224	2399	2406	2410	rBV2	402101	624647	27.44%	3.996%
13	17.265	2410	2413	2419	rVV	145409	199497	8.76%	1.276%
14	17.354	2421	2428	2433	rVB	15328	29827	1.31%	0.191%
15	18.129	2556	2560	2570	rVB2	188020	306789	13.48%	1.962%
16	18.288	2582	2587	2593	rBV4	24216	49168	2.16%	0.315%
17	18.634	2642	2646	2653	rVB2	37390	58568	2.57%	0.375%
18	19.016	2703	2711	2715	rVB7	20197	37753	1.66%	0.241%
19	19.152	2730	2734	2741	rVB2	24137	39158	1.72%	0.250%
20	19.275	2750	2755	2762	rBV	313079	463739	20.37%	2.966%
21	19.404	2774	2777	2784	rBV4	42139	62424	2.74%	0.399%
22	19.639	2812	2817	2825	rVB	240881	359739	15.80%	2.301%
23	19.845	2841	2852	2863	rBV	1679155	2276220	100.00%	14.560%
24	19.962	2867	2872	2877	rBV4	20167	44792	1.97%	0.287%
25	20.097	2890	2895	2896	rBV4	17019	23436	1.03%	0.150%
26	20.133	2898	2901	2905	rVB4	32275	43454	1.91%	0.278%
27	20.291	2921	2928	2931	rBV5	26114	52374	2.30%	0.335%
28	20.879	3023	3028	3033	rVB	44888	68923	3.03%	0.441%
29	21.055	3051	3058	3062	rBV3	28485	58957	2.59%	0.377%
30	21.096	3062	3065	3068	rVV	25911	35222	1.55%	0.225%
31	21.143	3068	3073	3078	rVV3	136771	232922	10.23%	1.490%
32	21.190	3079	3081	3091	rVB2	41656	68433	3.01%	0.438%
33	21.372	3108	3112	3115	rBV	43566	56933	2.50%	0.364%
34	21.455	3118	3126	3131	rVV2	462075	939573	41.28%	6.010%
35	21.496	3131	3133	3147	rVB	131739	225079	9.89%	1.440%
36	21.672	3160	3163	3169	rVB8	21713	33259	1.46%	0.213%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064086.D
Acq On : 10 Mar 2025 18:26
Operator : RC/JU
Sample : Q1524-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-241

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-BG030525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	21.837	3187	3191	3198	rVB7	17542	33146	1.46%	0.212%
38	22.083	3228	3233	3236	rBV7	15233	26227	1.15%	0.168%
39	22.224	3253	3257	3260	rBV6	21041	36778	1.62%	0.235%
40	22.260	3260	3263	3269	rVB5	31910	50376	2.21%	0.322%
41	22.600	3316	3321	3325	rVB6	27807	46662	2.05%	0.298%
42	23.223	3422	3427	3433	rVB9	24829	53126	2.33%	0.340%
43	23.523	3468	3478	3485	rBV3	123310	414404	18.21%	2.651%
44	23.658	3497	3501	3503	rBV3	21979	31815	1.40%	0.204%
45	23.699	3506	3508	3513	rVB6	22873	37024	1.63%	0.237%
46	24.187	3585	3591	3599	rVB2	60504	141718	6.23%	0.906%
47	24.328	3607	3615	3624	rBV2	64348	157612	6.92%	1.008%
48	24.469	3630	3639	3647	rBV	261296	684925	30.09%	4.381%
49	25.597	3825	3831	3840	rVB5	31290	85794	3.77%	0.549%
50	27.853	4204	4215	4222	rBV5	36445	141600	6.22%	0.906%
51	29.422	4473	4482	4486	rBV5	21806	66383	2.92%	0.425%
52	30.797	4709	4716	4717	rBV6	26475	41317	1.82%	0.264%

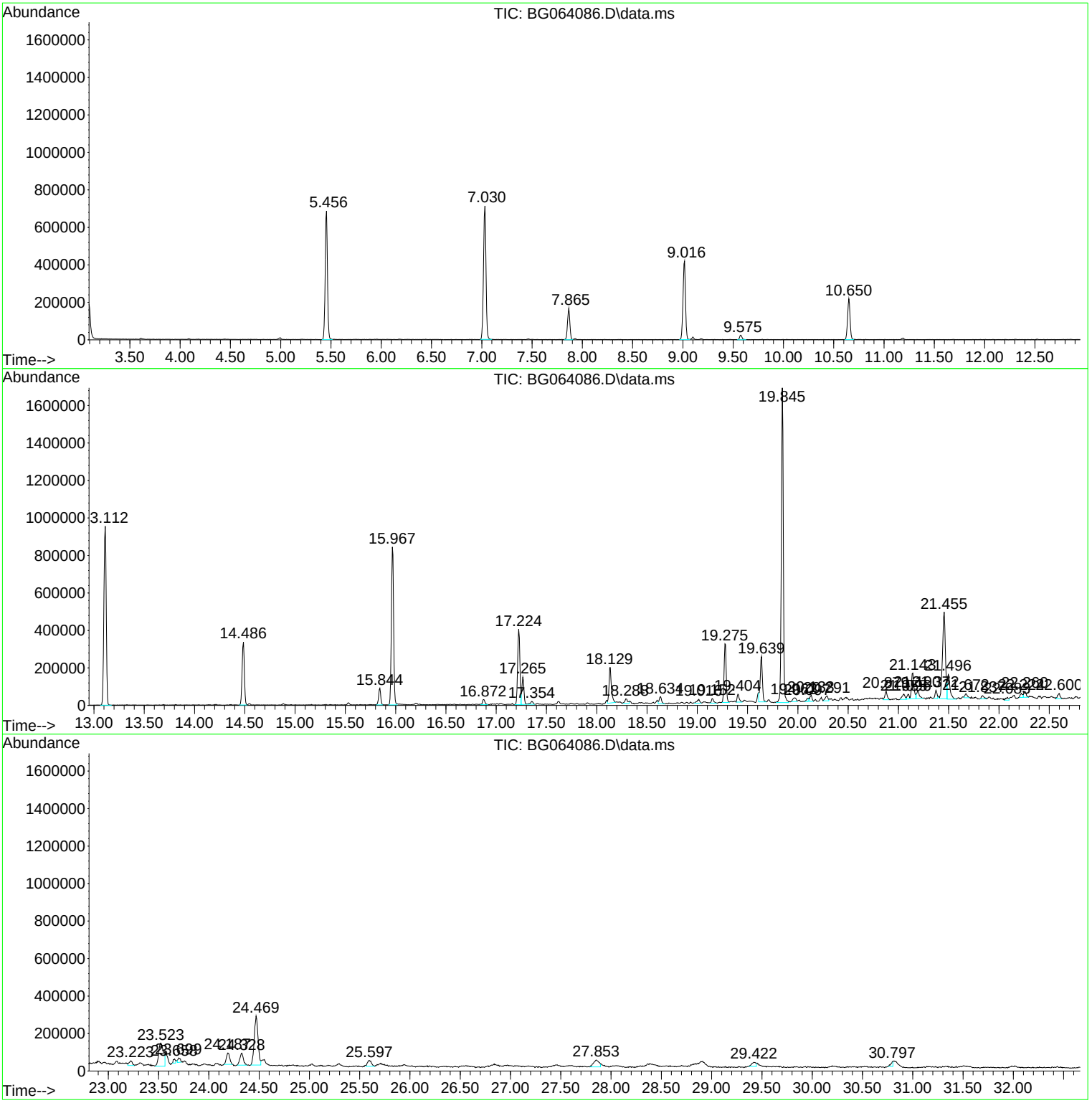
Sum of corrected areas: 15633678

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064086.D
Acq On : 10 Mar 2025 18:26
Operator : RC/JU
Sample : Q1524-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-241

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.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\BG031025\
Data File : BG064086.D
Acq On : 10 Mar 2025 18:26
Operator : RC/JU
Sample : Q1524-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-241

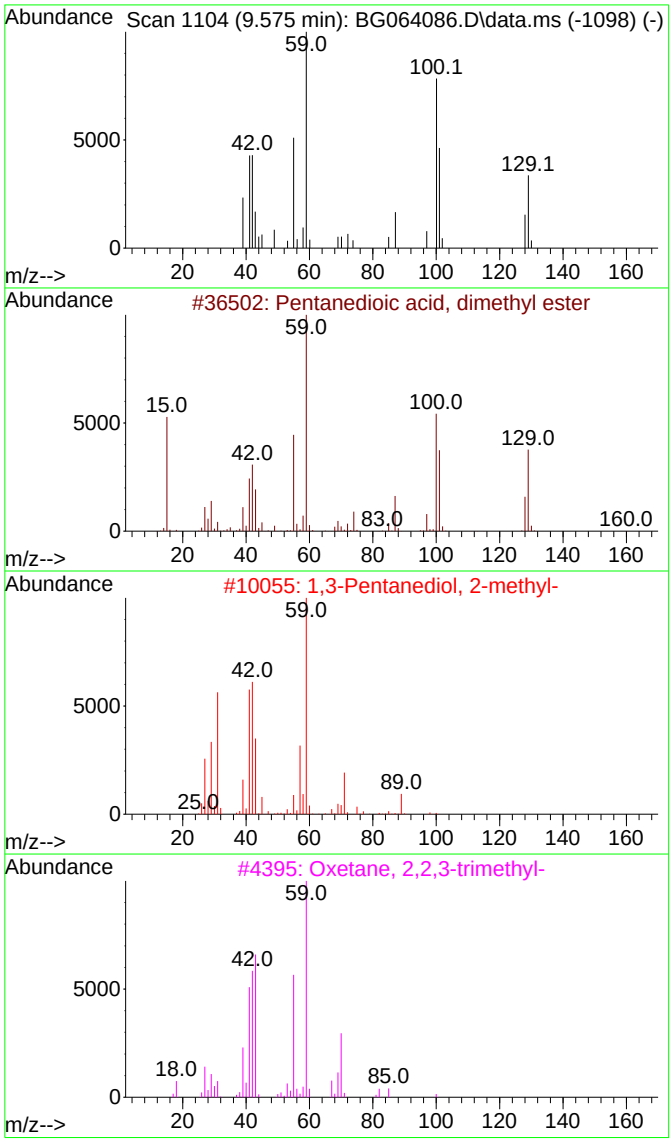
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

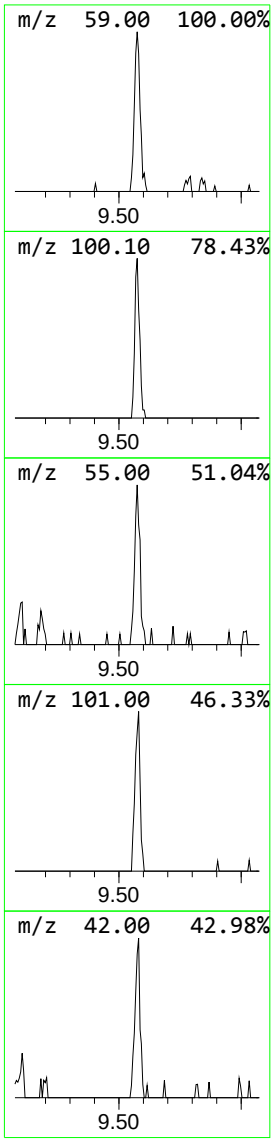
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Pentanedioic acid, dimethyl... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.575	2.16 ng	40306	Naphthalene-d8	10.650

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanedioic acid, dimethyl ester	160	C7H12O4	001119-40-0	72
2	1,3-Pentanediol, 2-methyl-	118	C6H14O2	000149-31-5	27
3	Oxetane, 2,2,3-trimethyl-	100	C6H12O	023120-43-6	27
4	Piperidine, 1-hydroxy-	101	C5H11NO	004801-58-5	25
5	Hydrazine, 1,1-bis(1-methylethyl)-	116	C6H16N2	000921-14-2	23





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064086.D
Acq On : 10 Mar 2025 18:26
Operator : RC/JU
Sample : Q1524-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-241

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

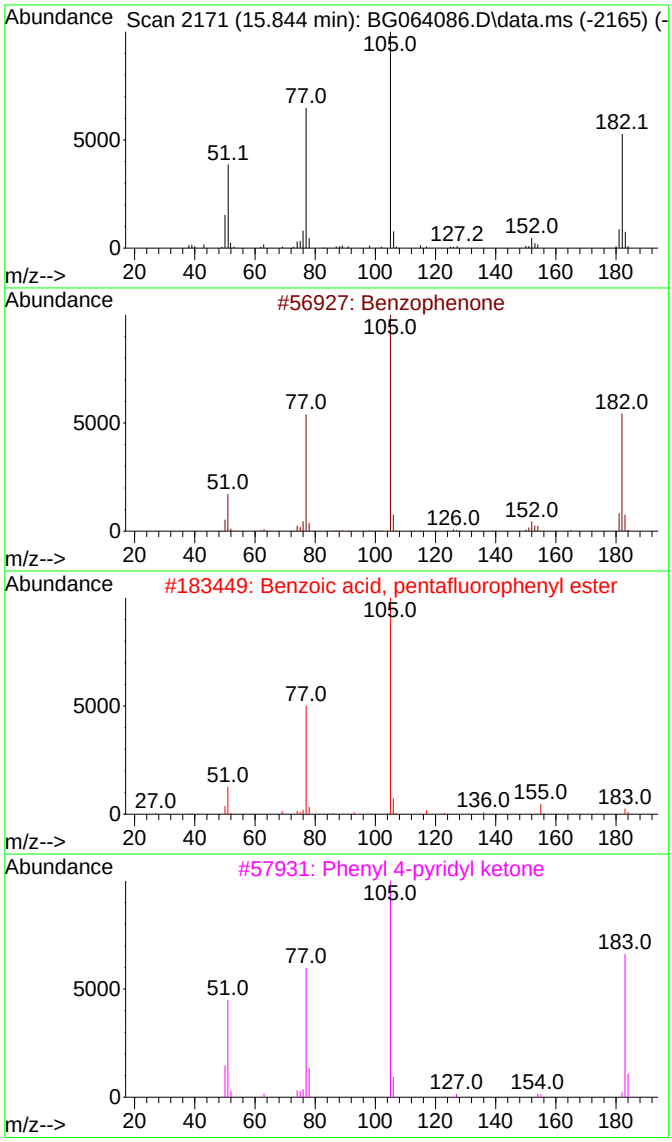
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

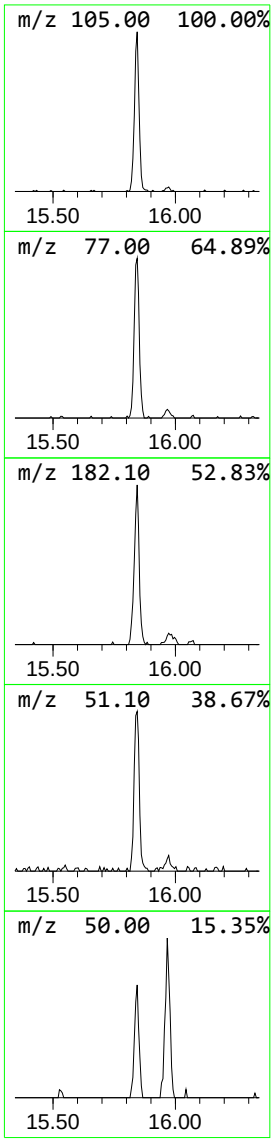
****

Peak Number 2 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.844	5.06 ng	129837	Acenaphthene-d10	14.486

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	95
2	Benzoic acid, pentafluorophenyl ...	288	C13H5F5O2	1000360-67-9	53
3	Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	53
4	Phenacyl thiocyanate	177	C9H7NOS	005399-30-4	50
5	Benzoylformic acid	150	C8H6O3	000611-73-4	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064086.D
Acq On : 10 Mar 2025 18:26
Operator : RC/JU
Sample : Q1524-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-241

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

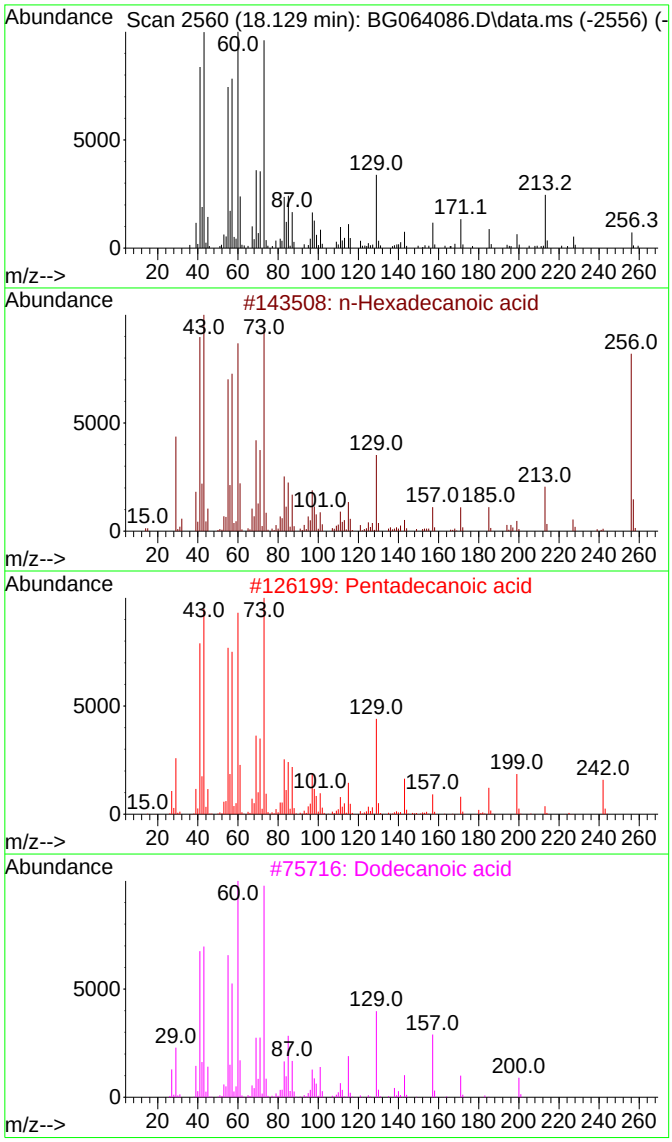
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

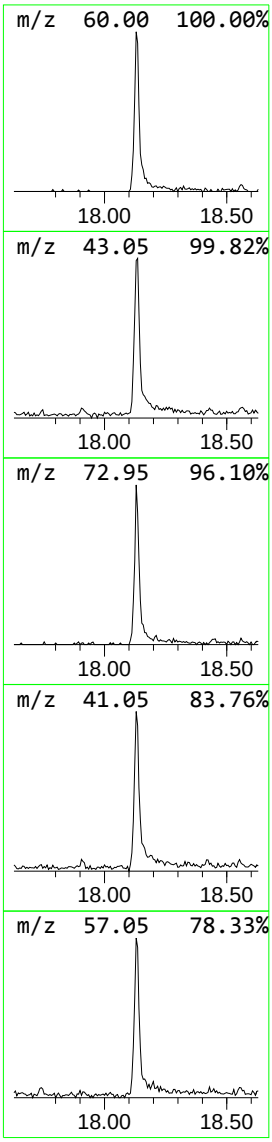
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.129	9.82 ng	306789	Phenanthrene-d10	17.224

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	81
3	Dodecanoic acid	200	C12H24O2	000143-07-7	76
4	Tridecanoic acid	214	C13H26O2	000638-53-9	64
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064086.D
Acq On : 10 Mar 2025 18:26
Operator : RC/JU
Sample : Q1524-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-241

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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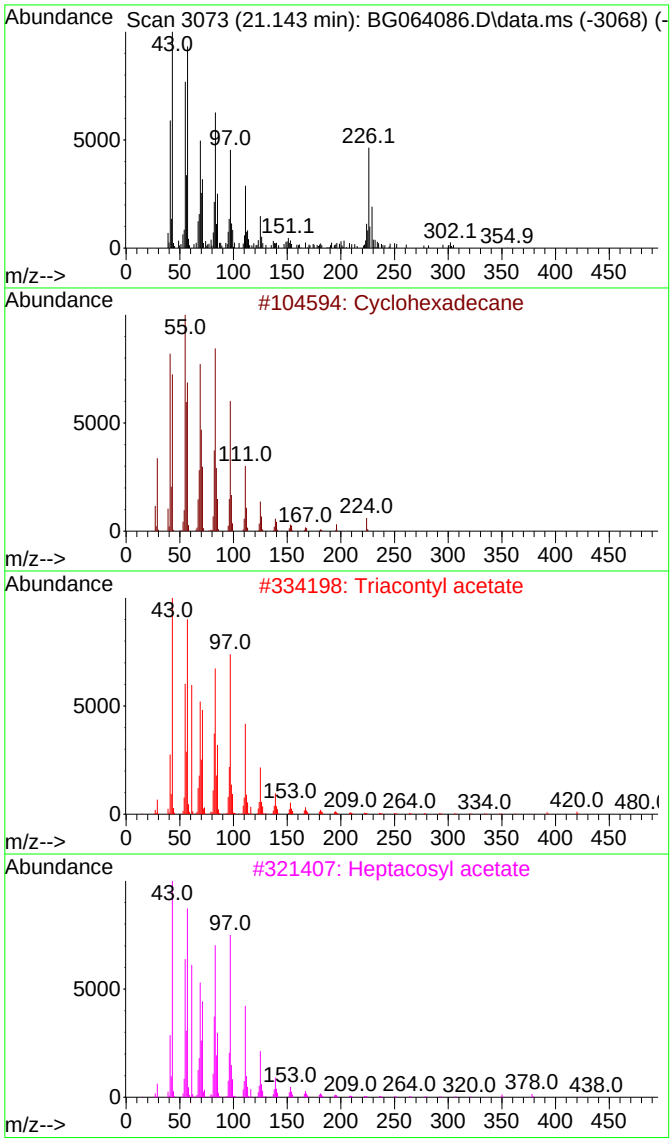
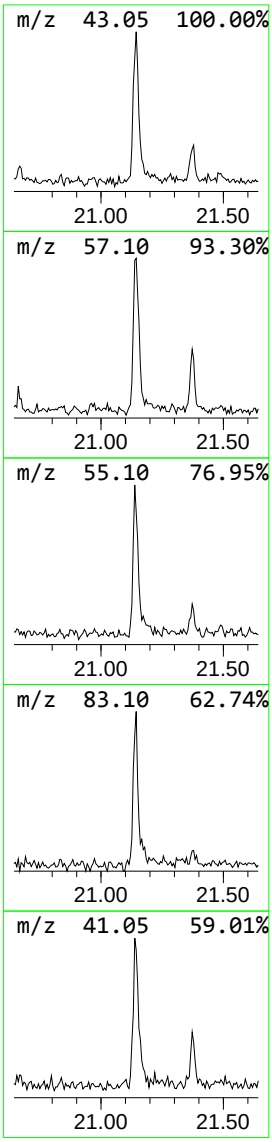
Peak Number 4 Cyclohexadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.143	4.96 ng	232922	Chrysene-d12	21.455

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	70
2	Triacontyl acetate	480	C32H64O2	041755-58-2	55
3	Heptacosyl acetate	438	C29H58O2	1000351-78-2	55
4	Octacosanol	410	C28H58O	000557-61-9	55
5	Z-8-Hexadecene	224	C16H32	1000130-87-5	55





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064086.D
Acq On : 10 Mar 2025 18:26
Operator : RC/JU
Sample : Q1524-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-241

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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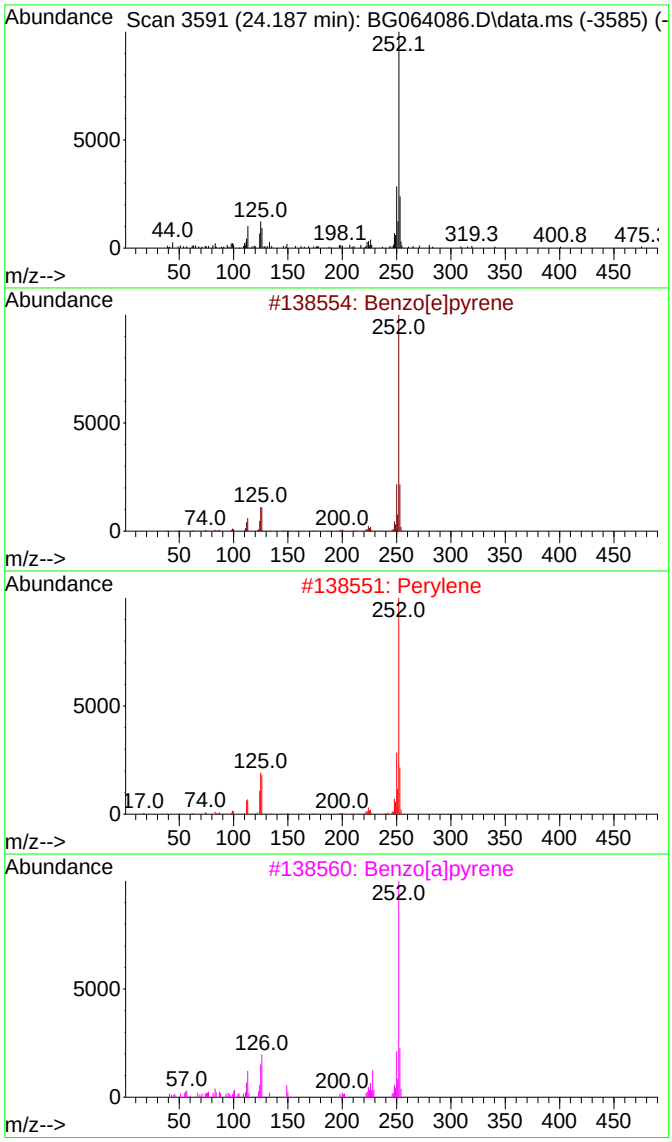
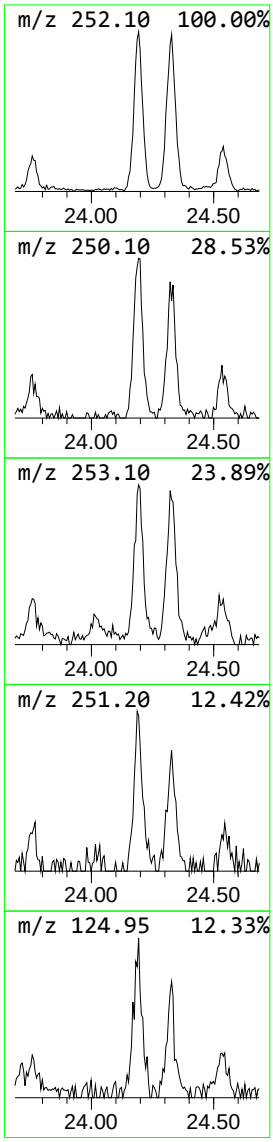
Peak Number 5 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.187	4.14 ng	141718	Perylene-d12	24.469

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Perylene	252	C20H12	000198-55-0	92
3	Benzo[a]pyrene	252	C20H12	000050-32-8	91
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89





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Data File : BG064086.D
Acq On : 10 Mar 2025 18:26
Operator : RC/JU
Sample : Q1524-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-241

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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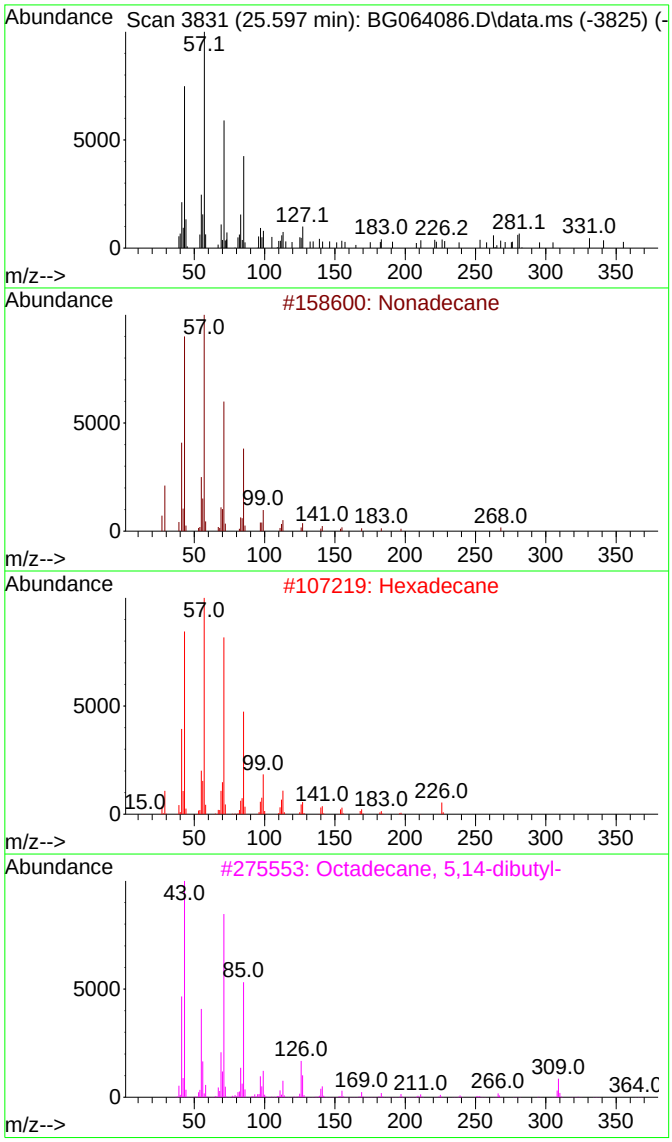
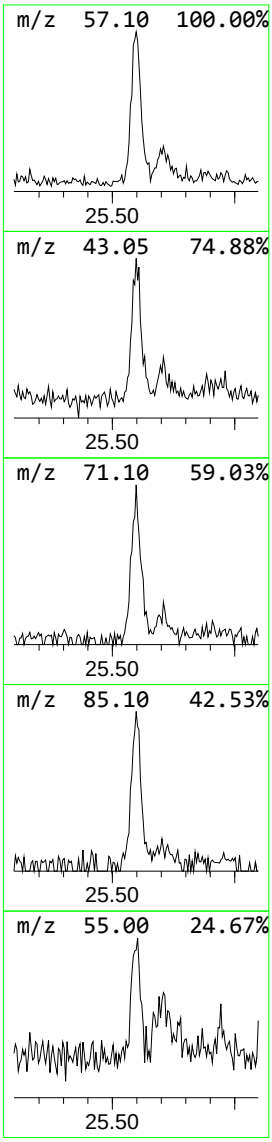
Peak Number 6 Nonadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.597	2.51 ng	85794	Perylene-d12	24.469

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	90
2	Hexadecane	226	C16H34	000544-76-3	70
3	Octadecane, 5,14-dibutyl-	366	C26H54	055282-13-8	64
4	Eicosane	282	C20H42	000112-95-8	62
5	Octacosane	394	C28H58	000630-02-4	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064086.D
Acq On : 10 Mar 2025 18:26
Operator : RC/JU
Sample : Q1524-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-241

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.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
Pentanedioic ac...	9.575	2.2	ng	40306	2	10.650	373311	20.0
Benzophenone	15.844	5.1	ng	129837	3	14.486	513636	20.0
n-Hexadecanoic ...	18.129	9.8	ng	306789	4	17.224	624647	20.0
Cyclohexadecane	21.143	5.0	ng	232922	5	21.455	939573	20.0
Benzo[e]pyrene	24.187	4.1	ng	141718	6	24.469	684925	20.0
Nonadecane	25.597	2.5	ng	85794	6	24.469	684925	20.0