LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051425\
Data File : BP024629.D
Acq On : 14 May 2025 17:15
Operator : RC/JU
Sample : Q1872-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
HW0425-PT-BNA-SOIL

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_P\Methods\8270E-BP051325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP024629.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.828	290	296	310	rBV	95261	144597	1.12%	0.076%
2	5.281	367	373	392	rBV	1187024	1805825	13.96%	0.955%
3	6.852	629	640	643	rBV	1197391	2088817	16.15%	1.105%
4	7.240	699	706	716	rBV	978577	1572505	12.16%	0.832%
5	7.664	771	778	779	rBV	459698	586145	4.53%	0.310%
6	7.699	779	784	795	rVB	2817599	4190340	32.40%	2.216%
7	8.011	830	837	847	rBV	1278539	2004151	15.50%	1.060%
8	8.187	859	867	878	rVB	563688	1341655	10.37%	0.709%
9	8.463	906	914	930	rBV	1288598	1997994	15.45%	1.057%
10	8.728	951	959	967	rBV	1811210	2937762	22.71%	1.553%
11	8.816	967	974	977	rBV	853572	1437421	11.11%	0.760%
12	8.858	977	981	997	rVB	2467186	3808053	29.44%	2.014%
13	9.375	1061	1069	1088	rBV	1929123	3097141	23.95%	1.638%
14	9.558	1093	1100	1116	rBV	816041	1326992	10.26%	0.702%
15	9.852	1143	1150	1164	rBV	2220218	3462653	26.77%	1.831%
16	10.434	1239	1249	1262	rBV	607705	1063692	8.22%	0.562%
17	10.769	1298	1306	1327	rBV	3044763	4931506	38.13%	2.608%
18	12.716	1629	1637	1653	rBV	2784264	4302419	33.26%	2.275%
19	12.904	1662	1669	1680	rVB	2199596	3553347	27.47%	1.879%
20	13.157	1706	1712	1721	rVB	2502740	3480873	26.91%	1.841%
21	13.751	1806	1813	1823	rBV	2820379	3967043	30.67%	2.098%
22	14.010	1850	1857	1865	rBV	790446	1264786	9.78%	0.669%
23	14.293	1898	1905	1910	rBV	940833	1388443	10.73%	0.734%
24	14.357	1910	1916	1926	rVB	2373863	3183641	24.61%	1.683%
25	14.540	1940	1947	1966	rBV	2120407	3945702	30.51%	2.086%
26	14.693	1967	1973	1989	rVB	3268665	4826171	37.31%	2.552%
27	14.934	2004	2014	2029	rBV	3105542	4577305	35.39%	2.420%
28	15.134	2042	2048	2063	rVB	6167540	7885161	60.97%	4.170%
29	15.357	2079	2086	2097	rVB	5998131	9090711	70.29%	4.807%
30	15.610	2122	2129	2134	rBV	108094	146632	1.13%	0.078%
31	15.669	2134	2139	2147	rVV	412298	562084	4.35%	0.297%
32	15.804	2155	2162	2174	rBV	2424436	3305662	25.56%	1.748%
33	16.257	2233	2239	2255	rVB	2949780	4193532	32.42%	2.218%
34	16.728	2308	2319	2328	rBV	2840748	4200155	32.47%	2.221%
35	16.798	2328	2331	2336	rVV2	140739	208316	1.61%	0.110%
36	16.851	2336	2340	2349	rVB	172080	269133	2.08%	0.142%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051425\
Data File : BP024629.D
Acq On : 14 May 2025 17:15
Operator : RC/JU
Sample : Q1872-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
HW0425-PT-BNA-SOIL

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_P\Methods\8270E-BP051325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	17.081	2374	2379	2393	rVB2	1210609	1651056	12.77%	0.873%
38	17.228	2394	2404	2418	rVV	1670117	2531899	19.58%	1.339%
39	17.510	2445	2452	2467	rBV	5437609	7907065	61.13%	4.181%
40	18.022	2534	2539	2543	rBV	182532	262511	2.03%	0.139%
41	18.098	2543	2552	2557	rVB	6201272	8604612	66.53%	4.550%
42	18.328	2588	2591	2596	rVB	151060	160144	1.24%	0.085%
43	19.222	2736	2743	2752	rBV	8399757	11924777	92.20%	6.306%
44	19.592	2804	2806	2811	rVB2	114410	134222	1.04%	0.071%
45	19.810	2837	2843	2852	rBV	4691069	6036546	46.67%	3.192%
46	21.198	3074	3079	3088	rBV2	177381	419165	3.24%	0.222%
47	21.439	3114	3120	3127	rBV	9145269	12933866	100.00%	6.839%
48	21.522	3128	3134	3137	rVV	1269970	1880290	14.54%	0.994%
49	21.569	3137	3142	3157	rVB	3871687	6015654	46.51%	3.181%
50	23.474	3461	3466	3474	rBV2	208792	392894	3.04%	0.208%
51	23.774	3507	3517	3526	rBV	2368017	5309284	41.05%	2.808%
52	23.957	3543	3548	3553	rBV2	168313	313404	2.42%	0.166%
53	24.033	3554	3561	3582	rVB2	231138	887059	6.86%	0.469%
54	24.651	3657	3666	3682	rVB2	1230465	3331742	25.76%	1.762%
55	24.798	3684	3691	3707	rVB	933805	2260558	17.48%	1.195%
56	26.092	3905	3911	3925	rVB2	296320	878731	6.79%	0.465%
57	28.527	4310	4325	4330	rBV	1937202	7480441	57.84%	3.956%
58	29.668	4506	4519	4541	rVB	1278376	5644870	43.64%	2.985%

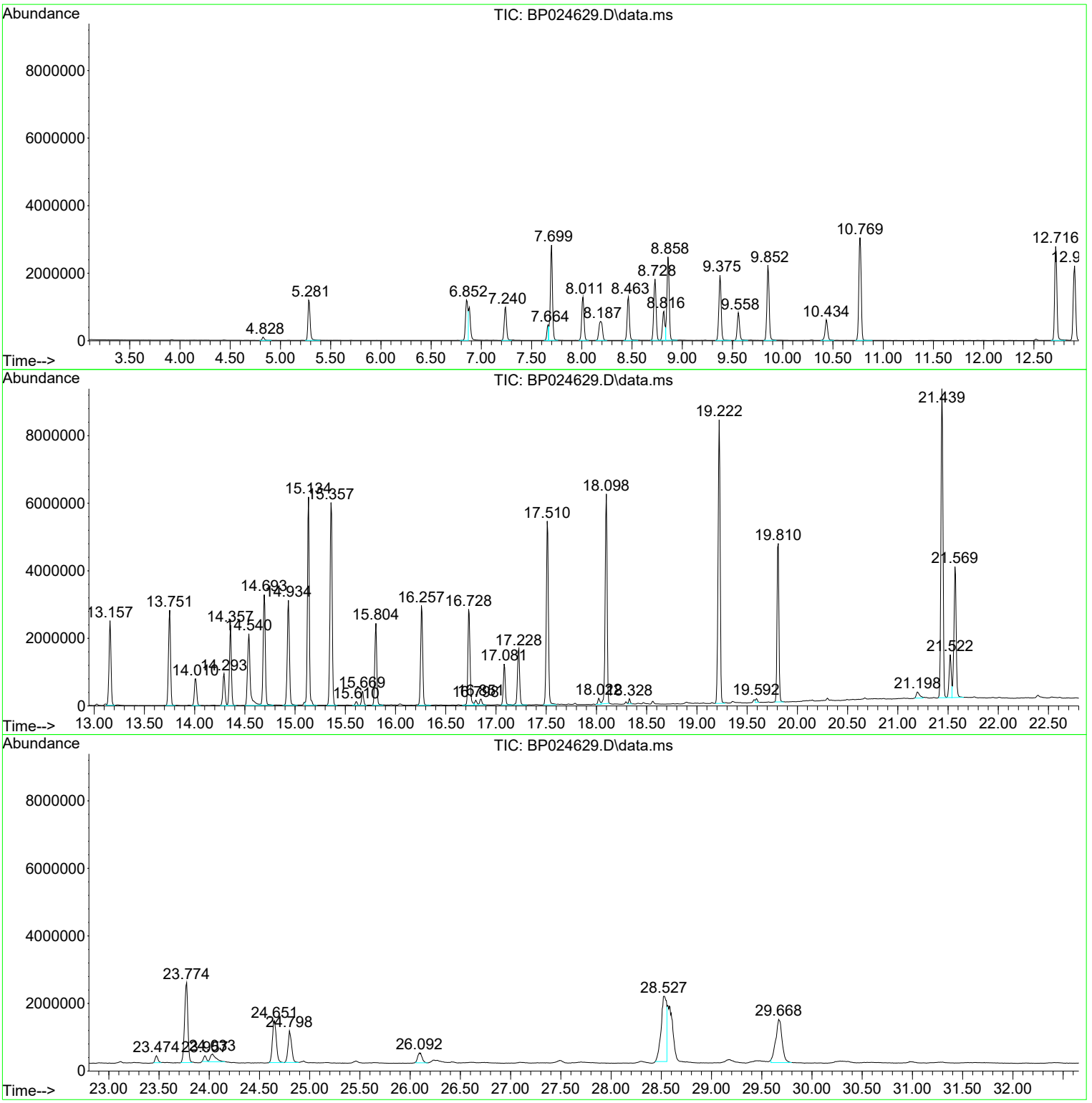
Sum of corrected areas: 189109155

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051425\
Data File : BP024629.D
Acq On : 14 May 2025 17:15
Operator : RC/JU
Sample : Q1872-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
HW0425-PT-BNA-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.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_P\Data\BP051425\
Data File : BP024629.D
Acq On : 14 May 2025 17:15
Operator : RC/JU
Sample : Q1872-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
HW0425-PT-BNA-SOIL

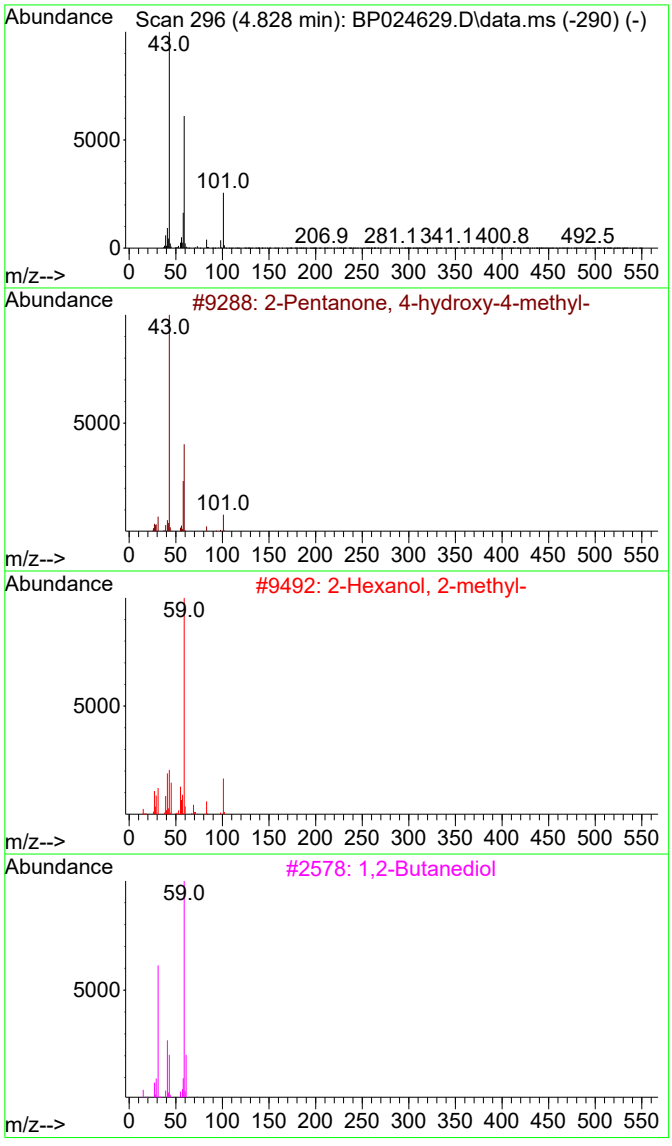
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

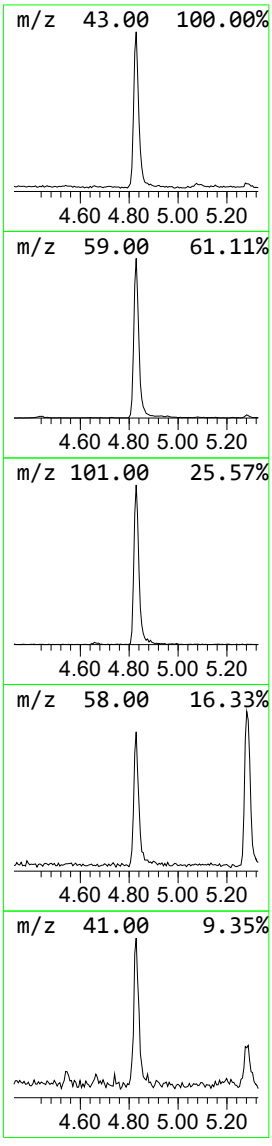
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.828	4.93 ng	144597	1,4-Dichlorobenzene-d4	7.664

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	25
3	1,2-Butanediol	90	C4H10O2	000584-03-2	17
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051425\
Data File : BP024629.D
Acq On : 14 May 2025 17:15
Operator : RC/JU
Sample : Q1872-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
HW0425-PT-BNA-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

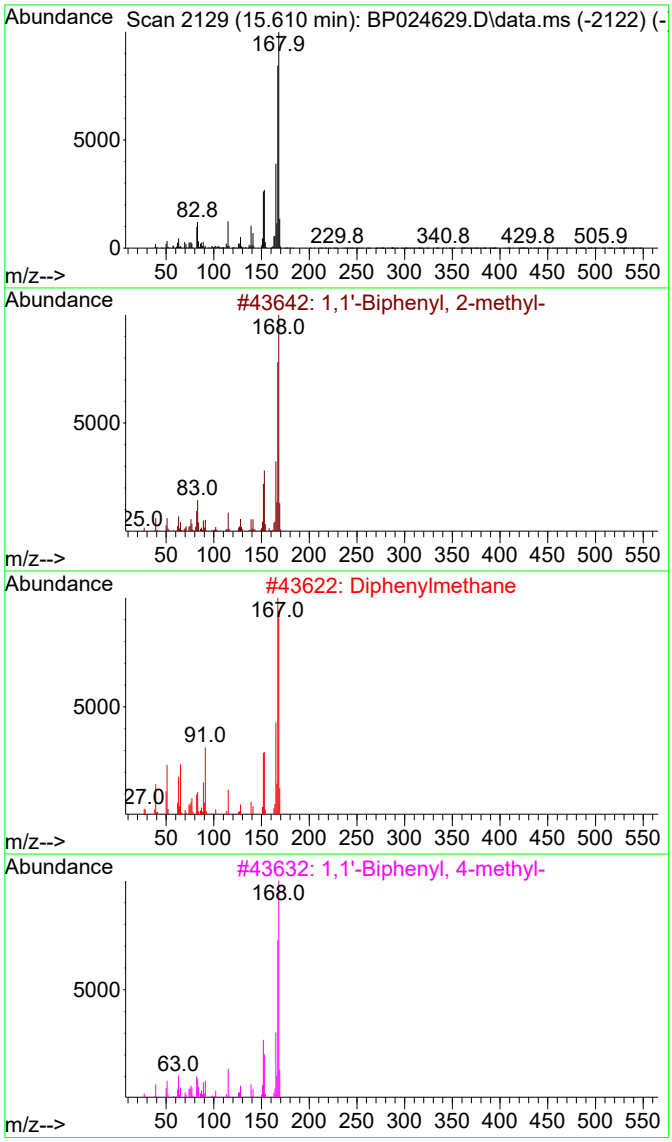
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

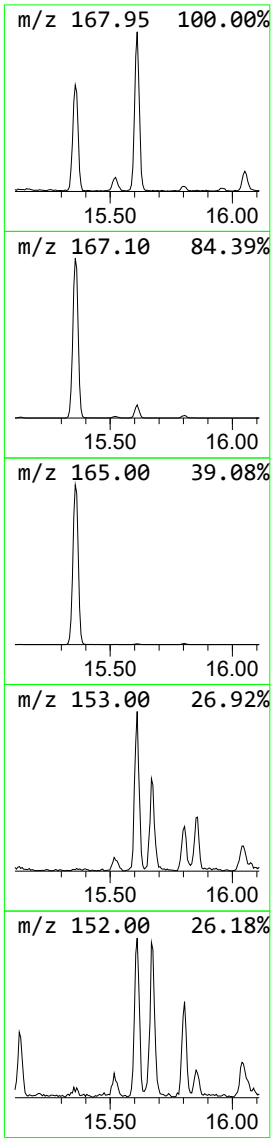
****

Peak Number 2 1,1'-Biphenyl, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.610	2.11 ng	146632	Acenaphthene-d10	14.293

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	91
2	Diphenylmethane	168	C13H12	000101-81-5	91
3	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	90
4	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	76
5	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051425\
Data File : BP024629.D
Acq On : 14 May 2025 17:15
Operator : RC/JU
Sample : Q1872-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
HW0425-PT-BNA-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

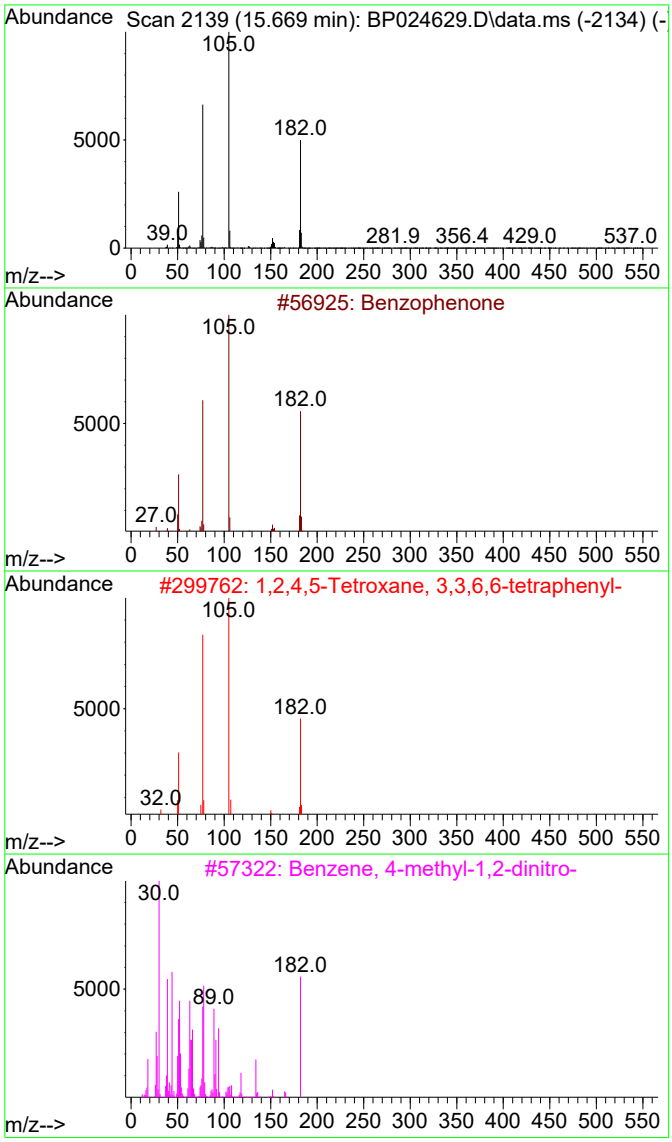
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

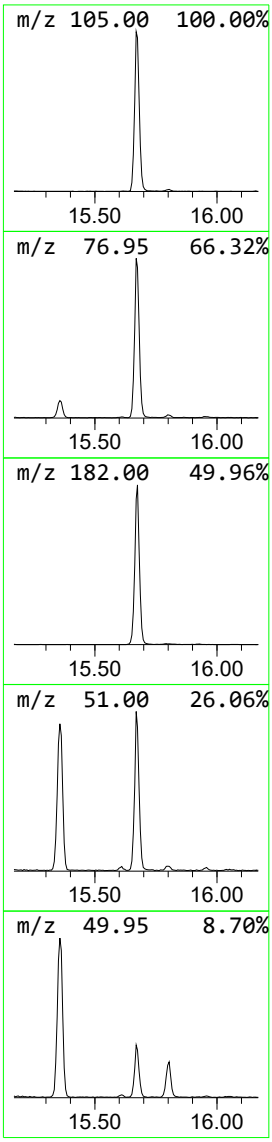
****

Peak Number 3 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.669	8.10 ng	562084	Acenaphthene-d10	14.293

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	64
3	Benzene, 4-methyl-1,2-dinitro-	182	C7H6N2O4	000610-39-9	43
4	Azobenzene	182	C12H10N2	000103-33-3	42
5	1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	40





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051425\
Data File : BP024629.D
Acq On : 14 May 2025 17:15
Operator : RC/JU
Sample : Q1872-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
HW0425-PT-BNA-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

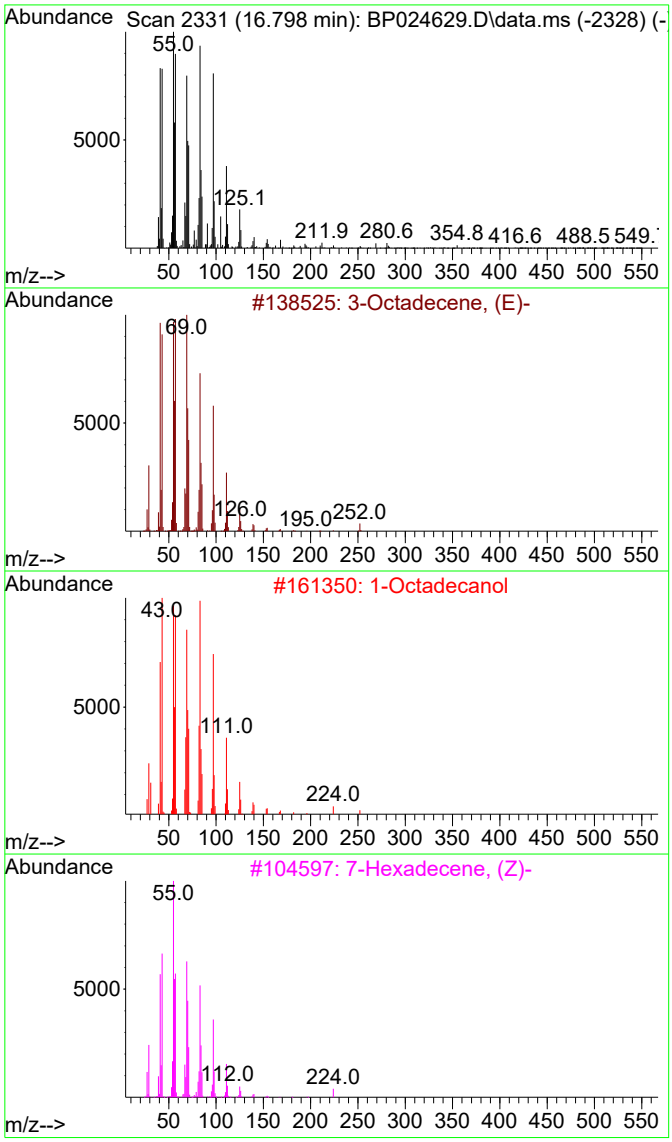
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

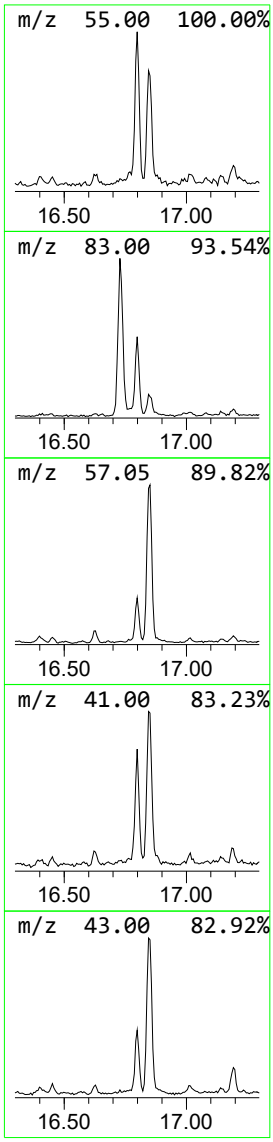
****

Peak Number 4 3-Octadecene, (E)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.798	2.52 ng	208316	Phenanthrene-d10	17.081

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Octadecene, (E)-	252	C18H36	007206-19-1	91
2	1-Octadecanol	270	C18H38O	000112-92-5	91
3	7-Hexadecene, (Z)-	224	C16H32	035507-09-6	91
4	1-Tricosene	322	C23H46	018835-32-0	91
5	3-Eicosene, (E)-	280	C20H40	074685-33-9	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051425\
Data File : BP024629.D
Acq On : 14 May 2025 17:15
Operator : RC/JU
Sample : Q1872-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
HW0425-PT-BNA-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

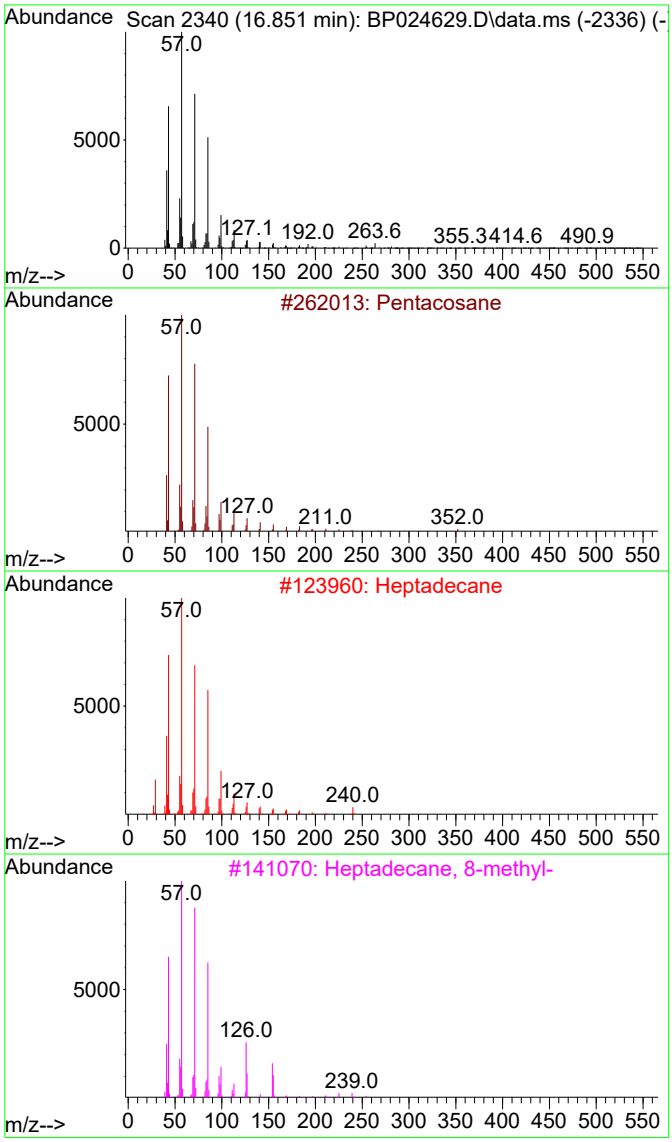
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

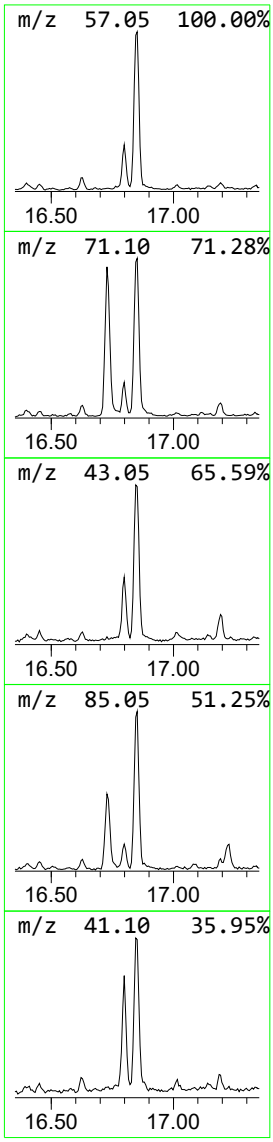
****

Peak Number 5 Pentacosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.851	3.26 ng	269133	Phenanthrene-d10	17.081

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentacosane	352	C25H52	000629-99-2	95
2	Heptadecane	240	C17H36	000629-78-7	91
3	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	90
4	Tridecane	184	C13H28	000629-50-5	90
5	Octadecane	254	C18H38	000593-45-3	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051425\
Data File : BP024629.D
Acq On : 14 May 2025 17:15
Operator : RC/JU
Sample : Q1872-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
HW0425-PT-BNA-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.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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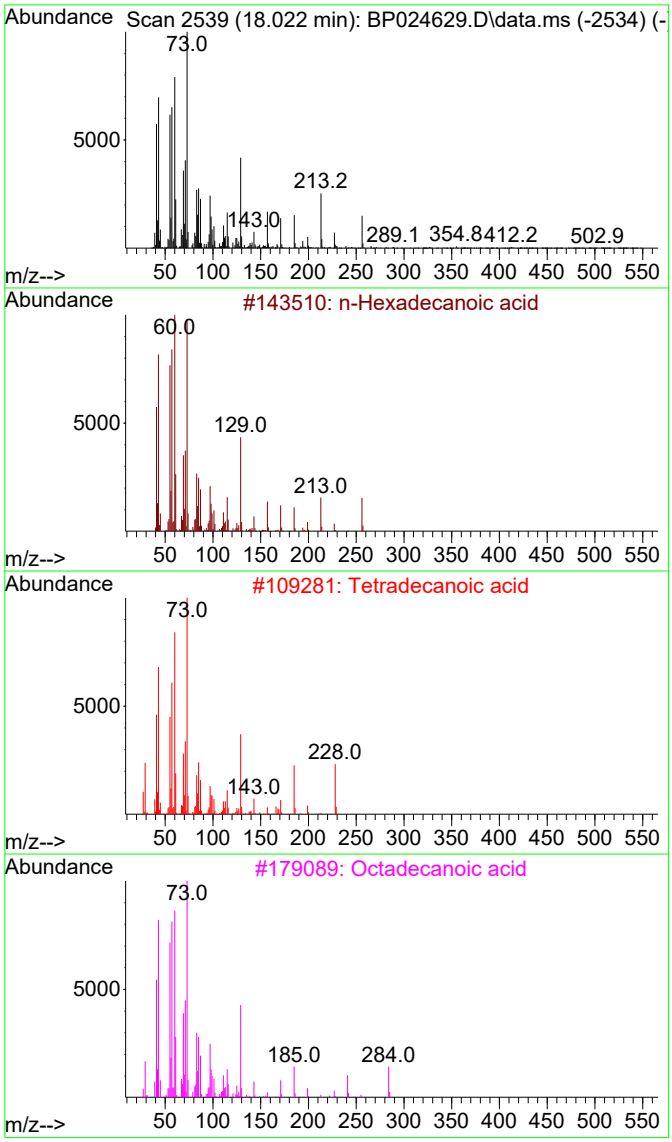
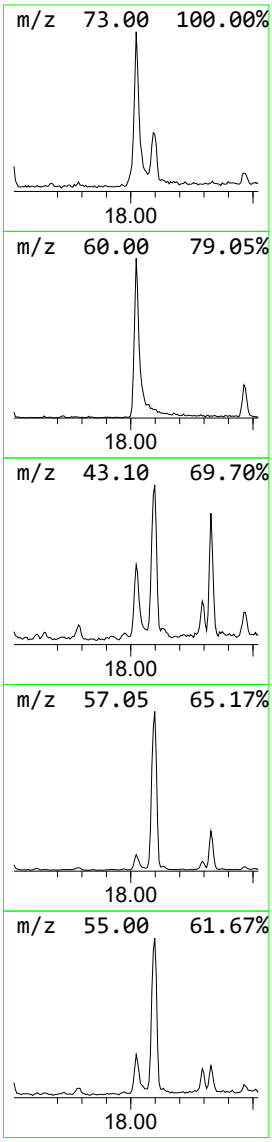
Peak Number 6 n-Hexadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.022	3.18 ng	262511	Phenanthrene-d10	17.081

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	91
3	Octadecanoic acid	284	C18H36O2	000057-11-4	90
4	Tridecanoic acid	214	C13H26O2	000638-53-9	89
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051425\
Data File : BP024629.D
Acq On : 14 May 2025 17:15
Operator : RC/JU
Sample : Q1872-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
HW0425-PT-BNA-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.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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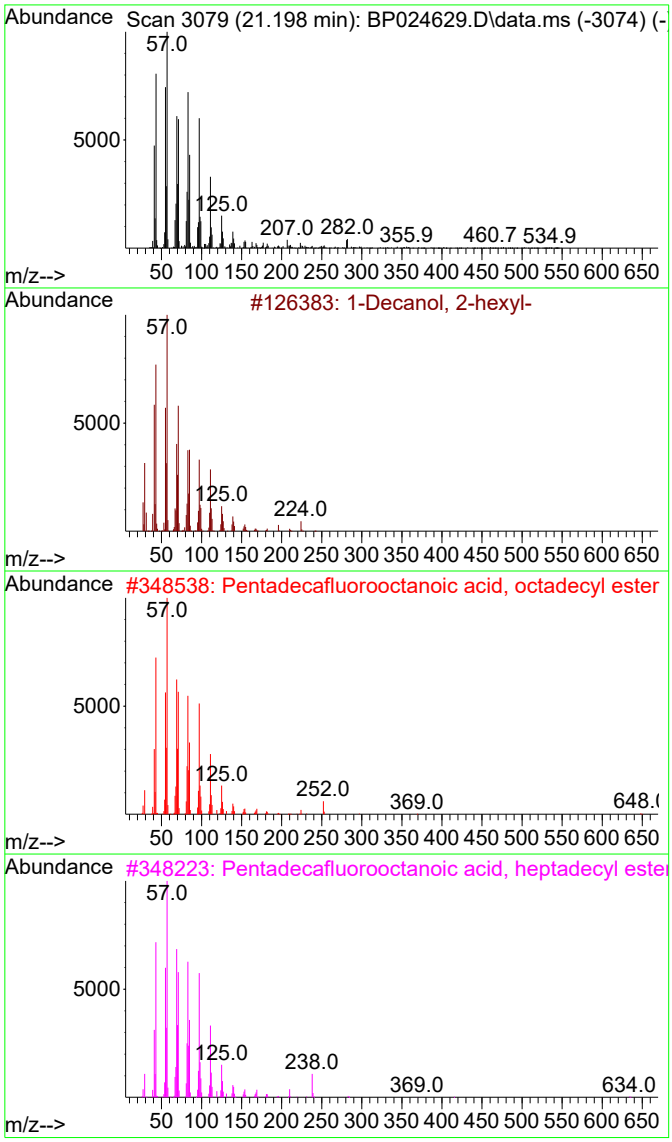
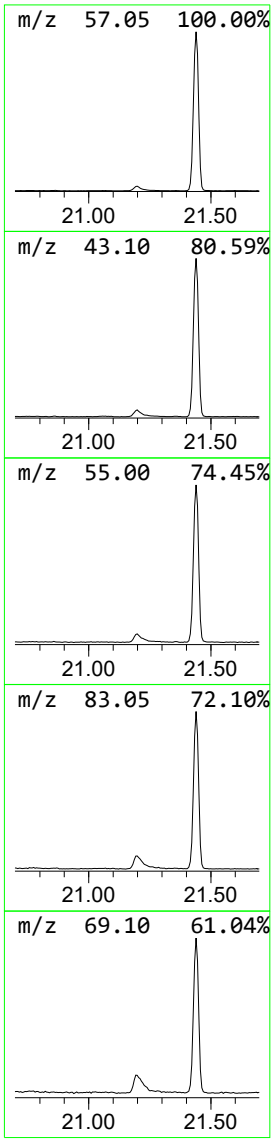
Peak Number 7 1-Decanol, 2-hexyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.198	4.46 ng	419165	Chrysene-d12	21.522

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	94
2	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	93
3	Pentadecafluorooctanoic acid, he...	652	C25H35F15O2	1000406-04-7	93
4	Behenic alcohol	326	C22H46O	000661-19-8	93
5	1-Heneicosanol	312	C21H44O	015594-90-8	92





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051425\
Data File : BP024629.D
Acq On : 14 May 2025 17:15
Operator : RC/JU
Sample : Q1872-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
HW0425-PT-BNA-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.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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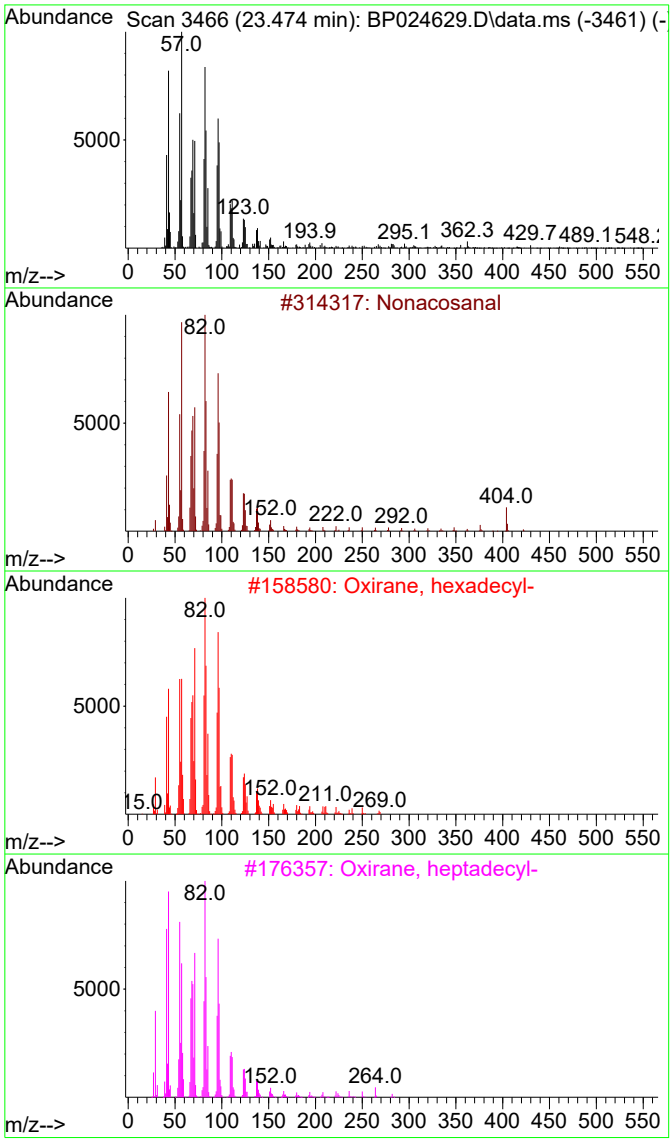
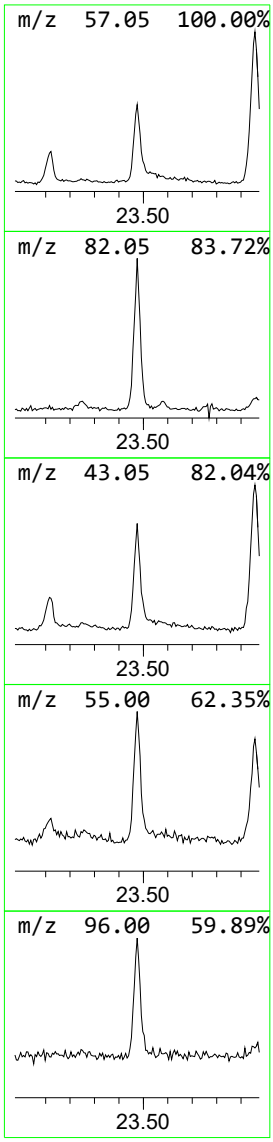
Peak Number 8 Nonacosanal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.474	3.48 ng	392894	Perylene-d12	24.798

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonacosanal	422	C29H58O	072934-04-4	95
2	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	94
3	Oxirane, heptadecyl-	282	C19H38O	067860-04-2	93
4	Tetracosanal	352	C24H48O	057866-08-7	93
5	(Z)-14-Tricosenyl formate	366	C24H46O2	077899-10-6	93





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Acq On : 14 May 2025 17:15
Operator : RC/JU
Sample : Q1872-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
HW0425-PT-BNA-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.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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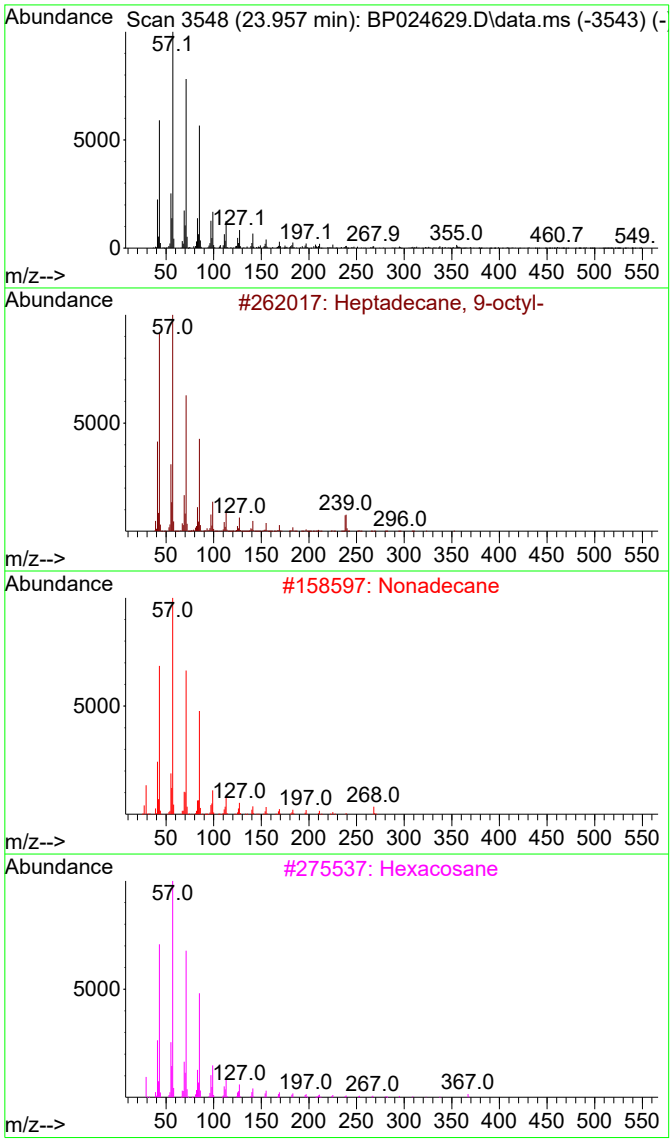
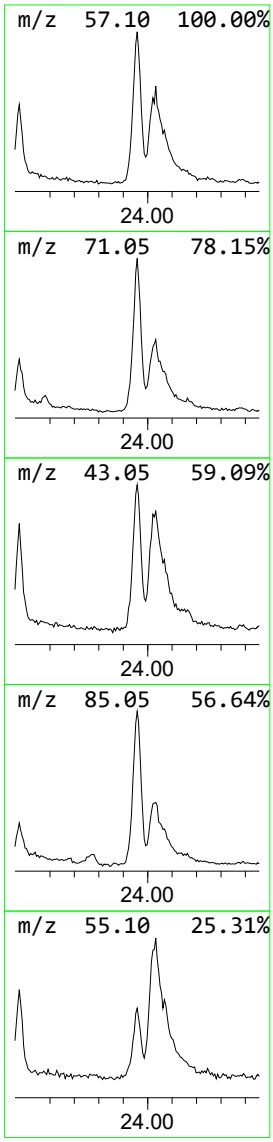
Peak Number 9 Heptadecane, 9-octyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.957	2.77 ng	313404	Perylene-d12	24.798

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	95
2	Nonadecane	268	C19H40	000629-92-5	94
3	Hexacosane	366	C26H54	000630-01-3	94
4	Heptadecane, 9-hexyl-	324	C23H48	055124-79-3	94
5	Heneicosane	296	C21H44	000629-94-7	91





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Acq On : 14 May 2025 17:15
Operator : RC/JU
Sample : Q1872-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
HW0425-PT-BNA-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.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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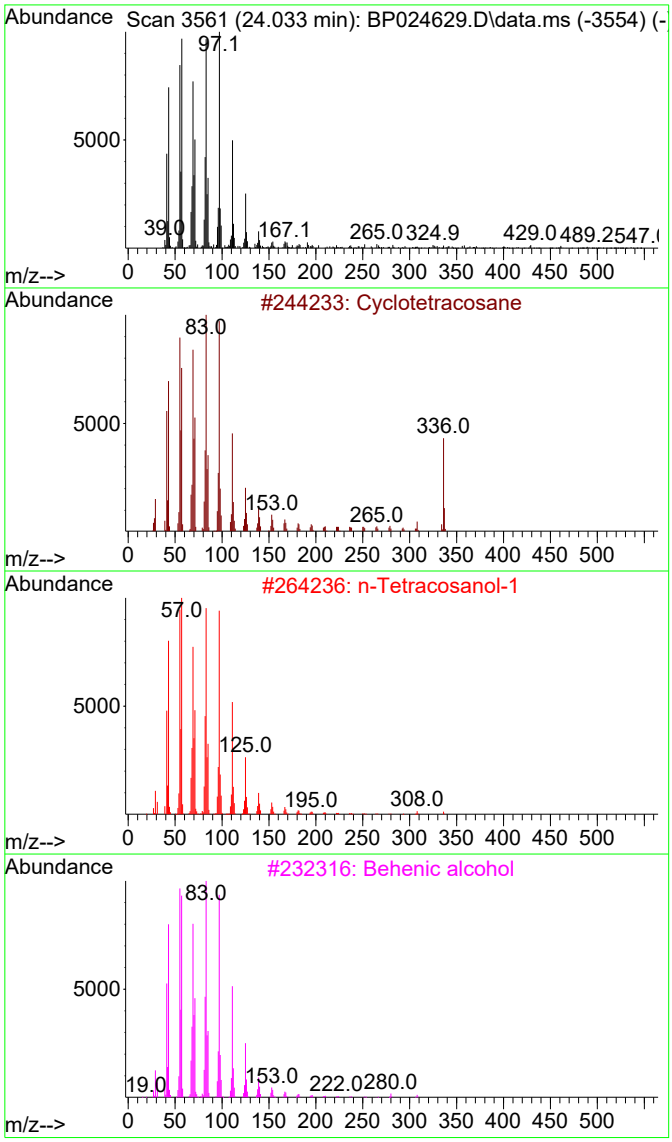
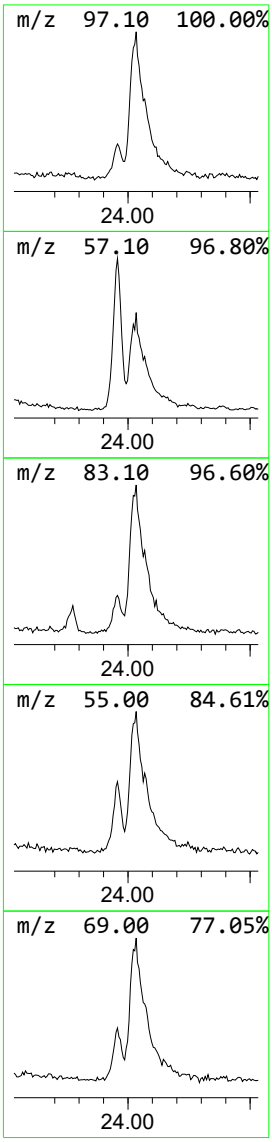
Peak Number 10 Cyclotetracosane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.033	7.85 ng	887059	Perylene-d12	24.798

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetracosane	336	C24H48	000297-03-0	96
2	n-Tetracosanol-1	354	C24H50O	000506-51-4	94
3	Behenic alcohol	326	C22H46O	000661-19-8	91
4	9-Hexacosene	364	C26H52	071502-22-2	91
5	Eicosyl methyl ether	312	C21H44O	1000406-29-4	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051425\
Data File : BP024629.D
Acq On : 14 May 2025 17:15
Operator : RC/JU
Sample : Q1872-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
HW0425-PT-BNA-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.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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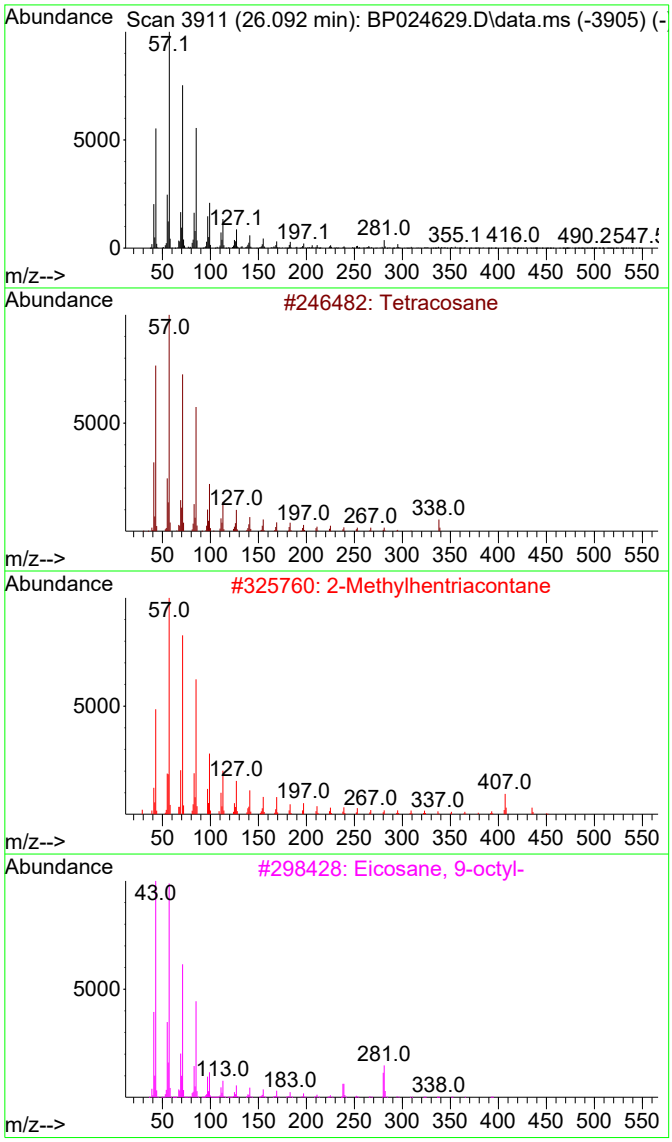
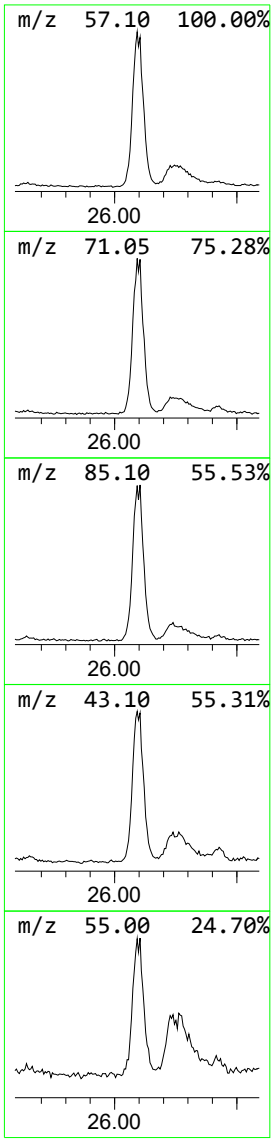
Peak Number 11 Tetracosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.092	7.77 ng	878731	Perylene-d12	24.798

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	93
2	2-Methylhentriacontane	451	C32H66	001720-12-3	93
3	Eicosane, 9-octyl-	394	C28H58	013475-77-9	91
4	Heneicosane, 11-decyl-	437	C31H64	055320-06-4	91
5	Octacosane, 2-methyl-	408	C29H60	001560-98-1	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051425\
Data File : BP024629.D
Acq On : 14 May 2025 17:15
Operator : RC/JU
Sample : Q1872-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
HW0425-PT-BNA-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.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-...	4.828	4.9	ng	144597	1	7.664	586145	20.0
1,1'-Biphenyl, ...	15.610	2.1	ng	146632	3	14.293	1388440	20.0
Benzophenone	15.669	8.1	ng	562084	3	14.293	1388440	20.0
3-Octadecene, (E)-	16.798	2.5	ng	208316	4	17.081	1651060	20.0
Pentacosane	16.851	3.3	ng	269133	4	17.081	1651060	20.0
n-Hexadecanoic ...	18.022	3.2	ng	262511	4	17.081	1651060	20.0
1-Decanol, 2-he...	21.198	4.5	ng	419165	5	21.522	1880290	20.0
Nonacosanal	23.474	3.5	ng	392894	6	24.798	2260560	20.0
Heptadecane, 9-...	23.957	2.8	ng	313404	6	24.798	2260560	20.0
Cyclotetracosane	24.033	7.8	ng	887059	6	24.798	2260560	20.0
Tetracosane	26.092	7.8	ng	878731	6	24.798	2260560	20.0