LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052125\
Data File : BF142492.D
Acq On : 21 May 2025 17:39
Operator : RC/JU
Sample : Q2080-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-HRH-COMP-02

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_F\Methods\8270-BF052025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142492.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.110	488	496	508	rVB	103439	148281	12.41%	1.265%
2	5.510	558	564	569	rBV	812917	1027044	85.96%	8.759%
3	6.516	729	735	748	rBV	892909	1153630	96.55%	9.838%
4	6.898	795	800	805	rBV	444175	536118	44.87%	4.572%
5	7.457	889	895	900	rBV	665433	833548	69.76%	7.108%
6	7.710	933	938	944	rBV	15345	19480	1.63%	0.166%
7	8.181	1013	1018	1023	rBV	534154	658383	55.10%	5.615%
8	9.257	1195	1201	1206	rBV	952891	1194820	100.00%	10.189%
9	9.575	1250	1255	1263	rBV2	157341	264044	22.10%	2.252%
10	9.692	1271	1275	1279	rVB2	15436	18816	1.57%	0.160%
11	9.875	1303	1306	1311	rVB2	10166	12410	1.04%	0.106%
12	9.939	1311	1317	1325	rBV	475273	616756	51.62%	5.260%
13	10.610	1423	1431	1435	rBV	134007	172925	14.47%	1.475%
14	10.651	1435	1438	1442	rVV	79295	95576	8.00%	0.815%
15	10.722	1445	1450	1459	rVB	431729	545865	45.69%	4.655%
16	11.422	1564	1569	1577	rBV	363726	508279	42.54%	4.335%
17	11.945	1648	1658	1670	rBV	155526	284813	23.84%	2.429%
18	12.039	1671	1674	1681	rVB2	8983	14842	1.24%	0.127%
19	12.521	1751	1756	1760	rVB3	15486	20442	1.71%	0.174%
20	12.639	1771	1776	1780	rBV	53642	71340	5.97%	0.608%
21	12.733	1787	1792	1805	rBV	49719	89094	7.46%	0.760%
22	12.869	1810	1815	1819	rVB	41247	56170	4.70%	0.479%
23	12.974	1828	1833	1834	rBV2	13165	15608	1.31%	0.133%
24	13.010	1834	1839	1844	rVB	674262	843729	70.62%	7.195%
25	13.327	1890	1893	1901	rVB2	41912	57592	4.82%	0.491%
26	13.445	1907	1913	1916	rBV	293252	404838	33.88%	3.452%
27	13.474	1916	1918	1926	rVB2	118495	161119	13.48%	1.374%
28	13.810	1965	1975	1983	rBV2	11063	41957	3.51%	0.358%
29	13.910	1988	1992	1995	rVV	44400	67141	5.62%	0.573%
30	13.945	1995	1998	2004	rVB2	33057	45652	3.82%	0.389%
31	14.063	2012	2018	2029	rBV	415632	610141	51.07%	5.203%
32	14.227	2044	2046	2053	rVB4	12381	16816	1.41%	0.143%
33	14.463	2082	2086	2089	rBV2	32068	46035	3.85%	0.393%
34	14.498	2089	2092	2095	rVB	22884	26031	2.18%	0.222%
35	14.539	2095	2099	2102	rBV3	18418	33319	2.79%	0.284%
36	14.698	2122	2126	2134	rVB	17034	24101	2.02%	0.206%

LSC Area Percent Report

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Sample : Q2080-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-HRH-COMP-02

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_F\Methods\8270-BF052025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	14.845	2145	2151	2157	rBV3	16263	35541	2.97%	0.303%
38	14.998	2173	2177	2185	rVB2	22983	38938	3.26%	0.332%
39	15.121	2193	2198	2206	rBV	30618	68974	5.77%	0.588%
40	15.198	2207	2211	2213	rBV	17735	24567	2.06%	0.210%
41	15.227	2213	2216	2222	rVB	17297	27305	2.29%	0.233%
42	15.427	2246	2250	2255	rVB	17850	27374	2.29%	0.233%
43	15.492	2257	2261	2266	rVB	22451	32848	2.75%	0.280%
44	15.562	2266	2273	2284	rBV	375004	626283	52.42%	5.341%
45	16.045	2350	2355	2360	rVB	18266	31279	2.62%	0.267%
46	17.515	2601	2605	2617	rVB2	8923	19319	1.62%	0.165%
47	17.680	2626	2633	2642	rBV9	18986	56964	4.77%	0.486%

Sum of corrected areas: 11726147

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Instrument :
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ClientSampleId :
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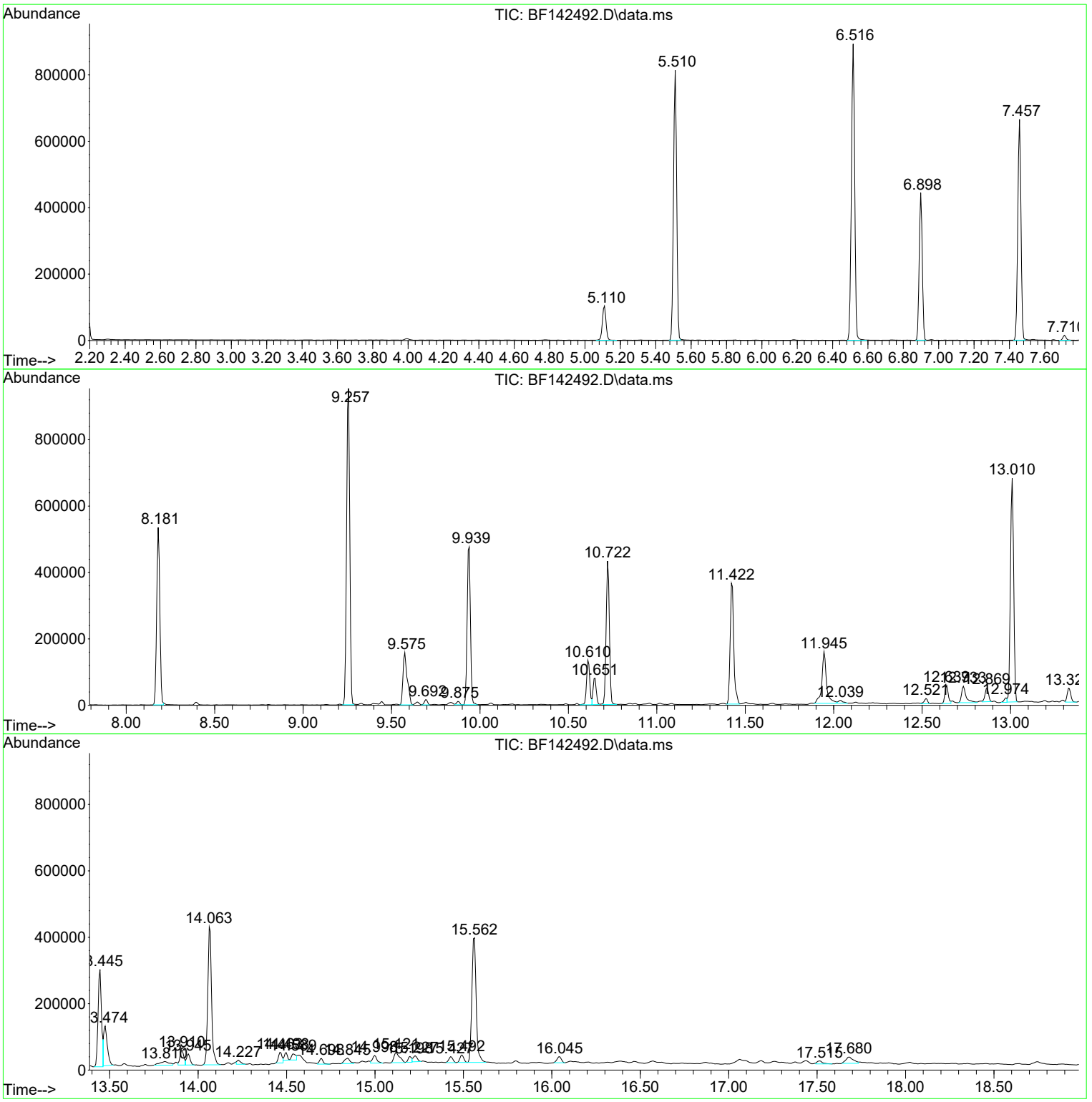
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052125\
Data File : BF142492.D
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Operator : RC/JU
Sample : Q2080-07
Misc :
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Instrument :
BNA_F
ClientSampleId :
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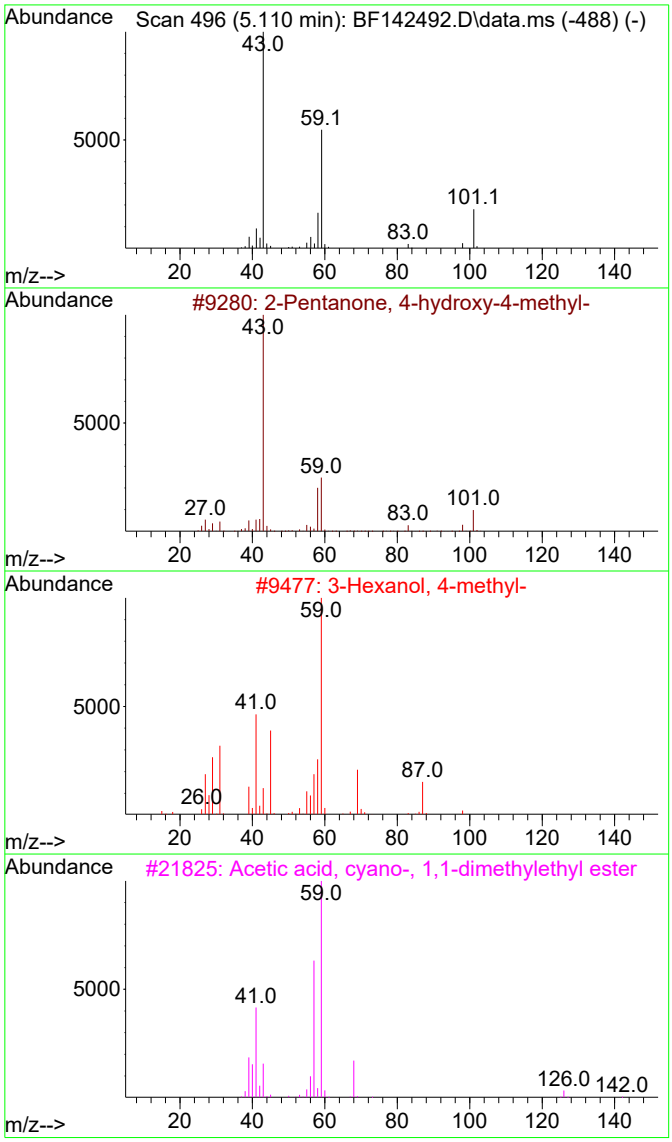
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

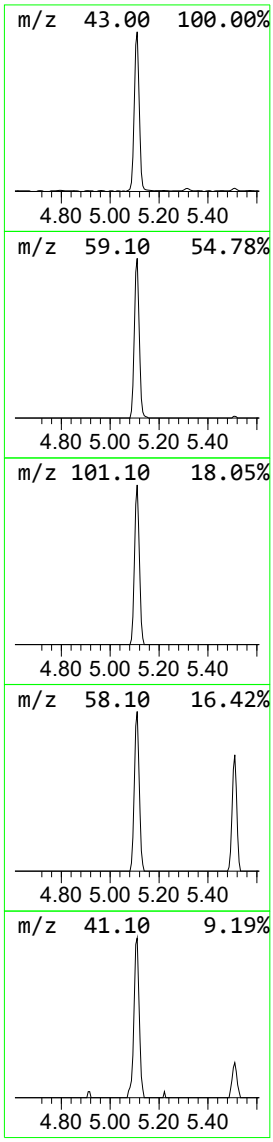
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.110	5.53 ng	148281	1,4-Dichlorobenzene-d4	6.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

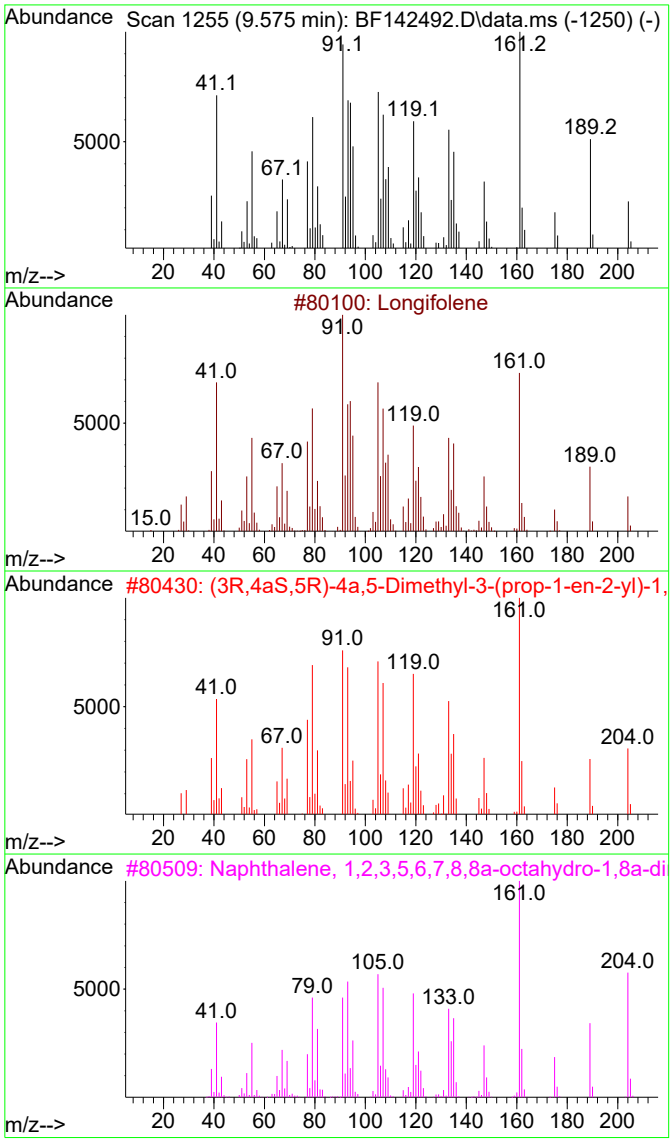
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

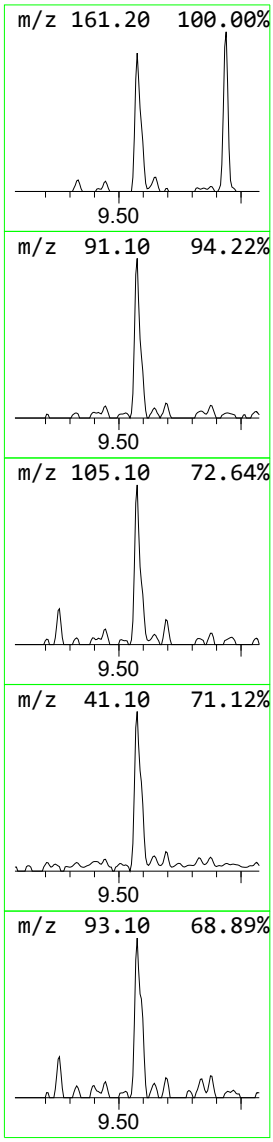
****

Peak Number 2 Longifolene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.575	8.56 ng	264044	Acenaphthene-d10	9.939

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Longifolene	204	C15H24	000475-20-7	99
2	(3R,4aS,5R)-4a,5-Dimethyl-3-(pro...	204	C15H24	024741-64-8	95
3	Naphthalene, 1,2,3,5,6,7,8,8a-oc...	204	C15H24	004630-07-3	95
4	Naphthalene, 1,2,3,5,6,7,8,8a-oc...	204	C15H24	010219-75-7	93
5	1H-Benzocycloheptene, 2,4a,5,6,7...	204	C15H24	003853-83-6	86





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Operator : RC/JU
Sample : Q2080-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-HRH-COMP-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

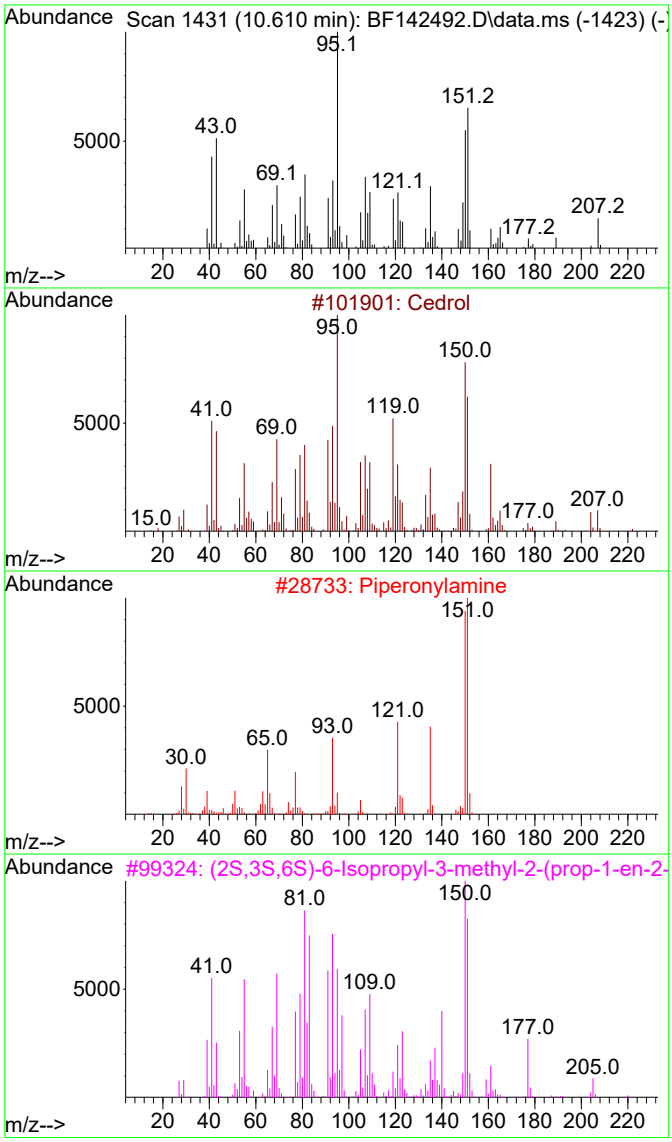
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

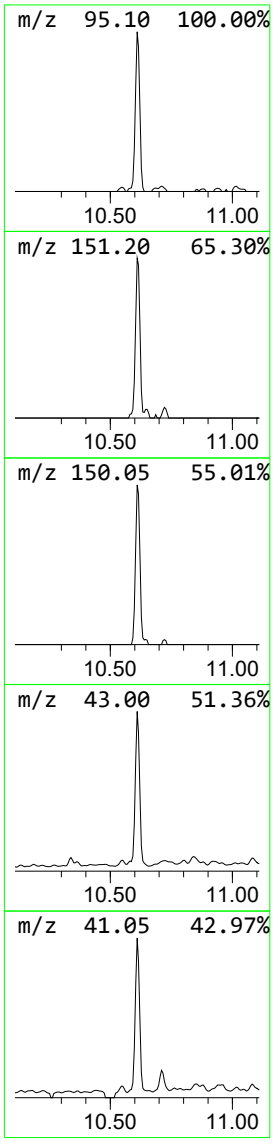
****

Peak Number 3 Cedrol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.610	5.61 ng	172925	Acenaphthene-d10	9.939

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cedrol	222	C15H26O	000077-53-2	78
2	Piperonylamine	151	C8H9NO2	002620-50-0	30
3	(2S,3S,6S)-6-Isopropyl-3-methyl-...	220	C15H24O	021698-44-2	30
4	2-Butanone, 4-(5-methyl-2-furanyl)-	152	C9H12O2	013679-56-6	22
5	3-Dimethylaminoanisole	151	C9H13NO	015799-79-8	20





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052125\
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Operator : RC/JU
Sample : Q2080-07
Misc :
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Instrument :
BNA_F
ClientSampleId :
PL-HRH-COMP-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

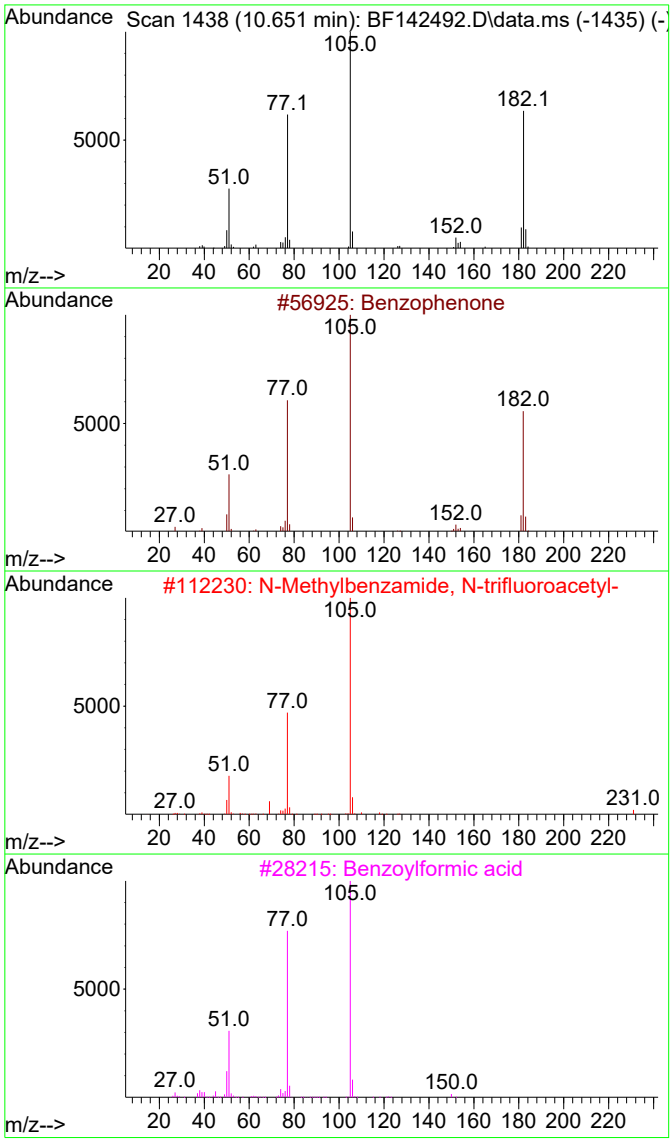
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

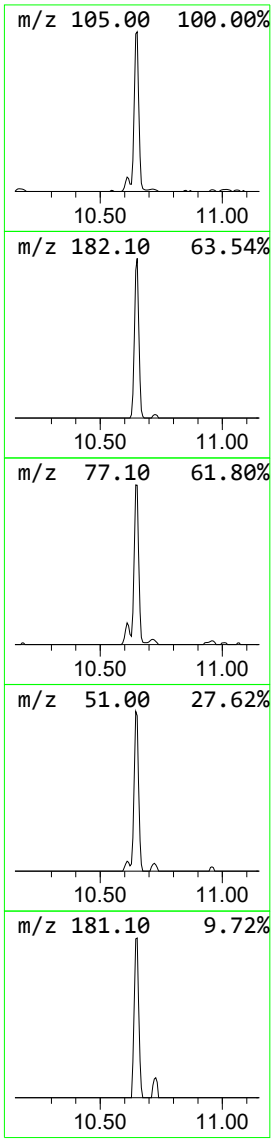
****

Peak Number 4 Benzophenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.651	3.10 ng	95576	Acenaphthene-d10	9.939

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	N-Methylbenzamide, N-trifluoroac...	231	C10H8F3NO2	1000446-91-5	47
3	Benzoylformic acid	150	C8H6O3	000611-73-4	47
4	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	47
5	Vinyl benzoate	148	C9H8O2	000769-78-8	47





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Misc :
ALS Vial : 16 Sample Multiplier: 1

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

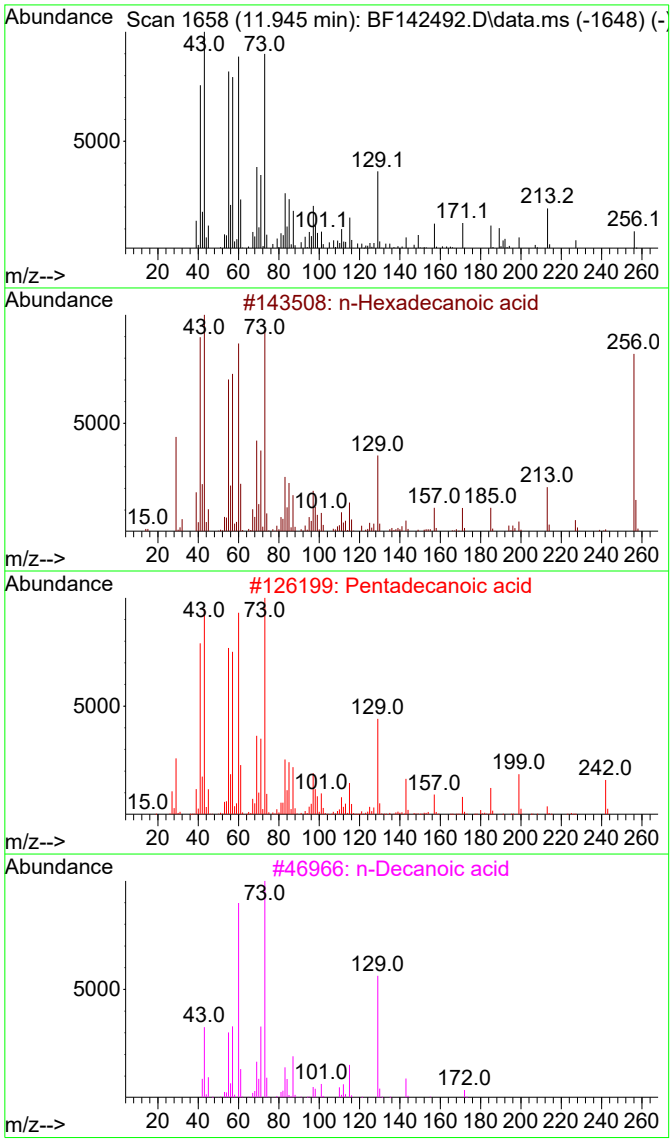
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

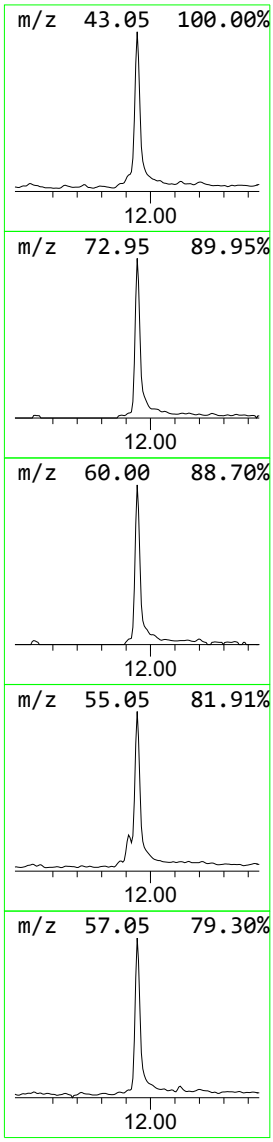
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.945	11.21 ng	284813	Phenanthrene-d10	11.422

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	91
3	n-Decanoic acid	172	C10H20O2	000334-48-5	90
4	Tridecanoic acid	214	C13H26O2	000638-53-9	86
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	64





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

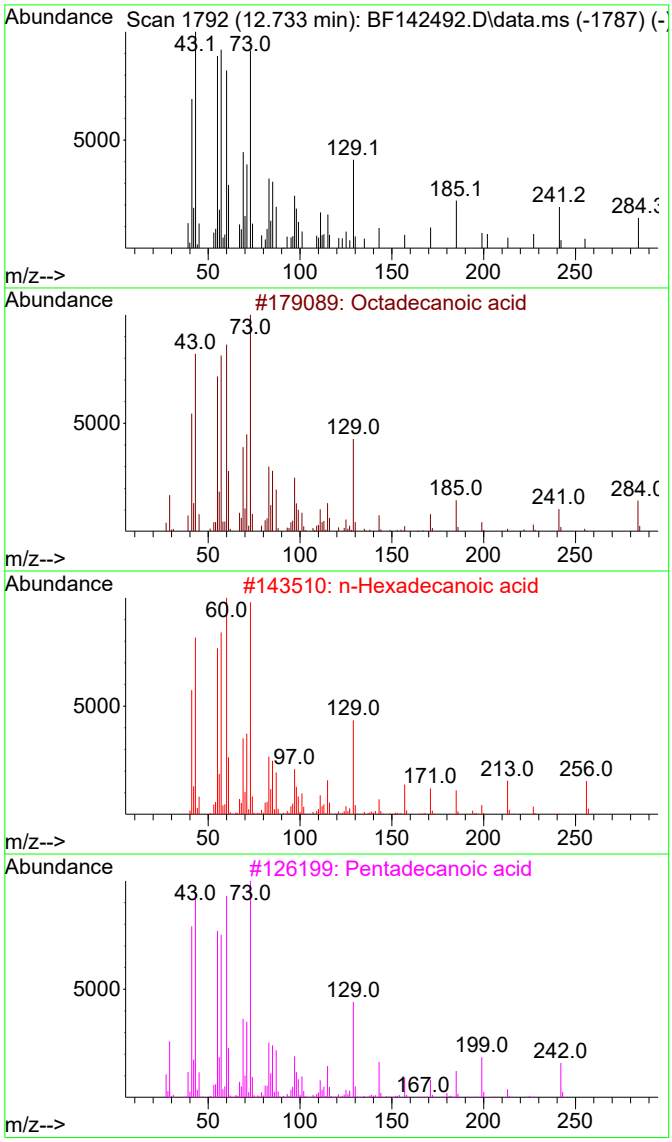
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

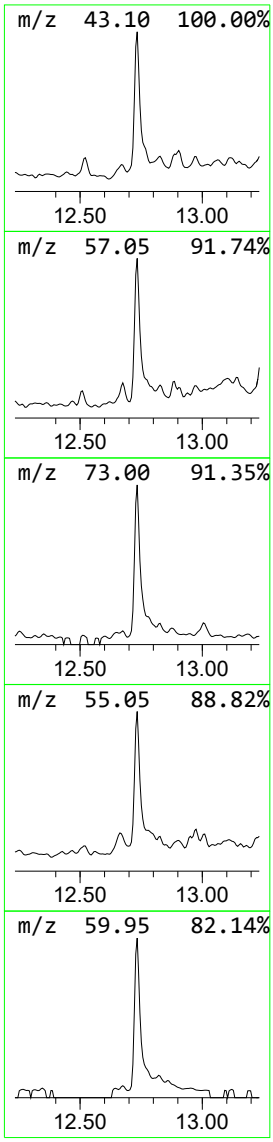
****

Peak Number 6 Octadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.733	3.51 ng	89094	Phenanthrene-d10	11.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	83
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	83
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5	Decanoic acid, silver(1+) salt	278	C10H19AgO2	013126-67-5	64





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Instrument :
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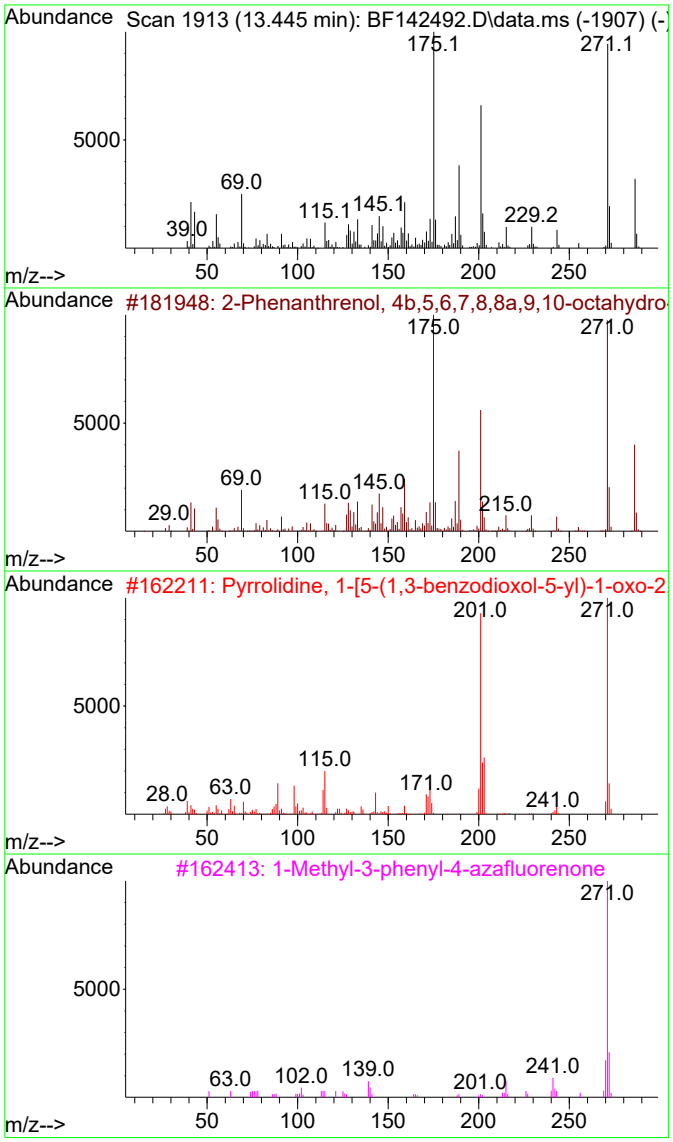
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

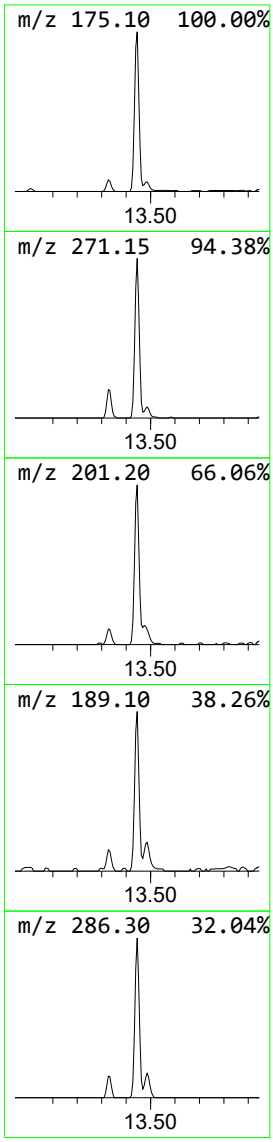
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 2-Phenanthrenol, 4b,5,6,7,8... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.445	13.27 ng	404838	Chrysene-d12	14.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenanthrenol, 4b,5,6,7,8,8a,9...	286	C20H30O	000511-15-9	99
2	Pyrrolidine, 1-[5-(1,3-benzodiox...	271	C16H17NO3	025924-78-1	30
3	1-Methyl-3-phenyl-4-azafluorenone	271	C19H13NO	069751-55-9	22
4	1H-naphtho[2,1-b]pyran-1-imine, ...	271	C19H13NO	1000401-75-2	18
5	Benz(a)acridine, 9,10,12-trimethyl-	271	C20H17N	063040-02-8	18





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052125\
Data File : BF142492.D
Acq On : 21 May 2025 17:39
Operator : RC/JU
Sample : Q2080-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-HRH-COMP-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

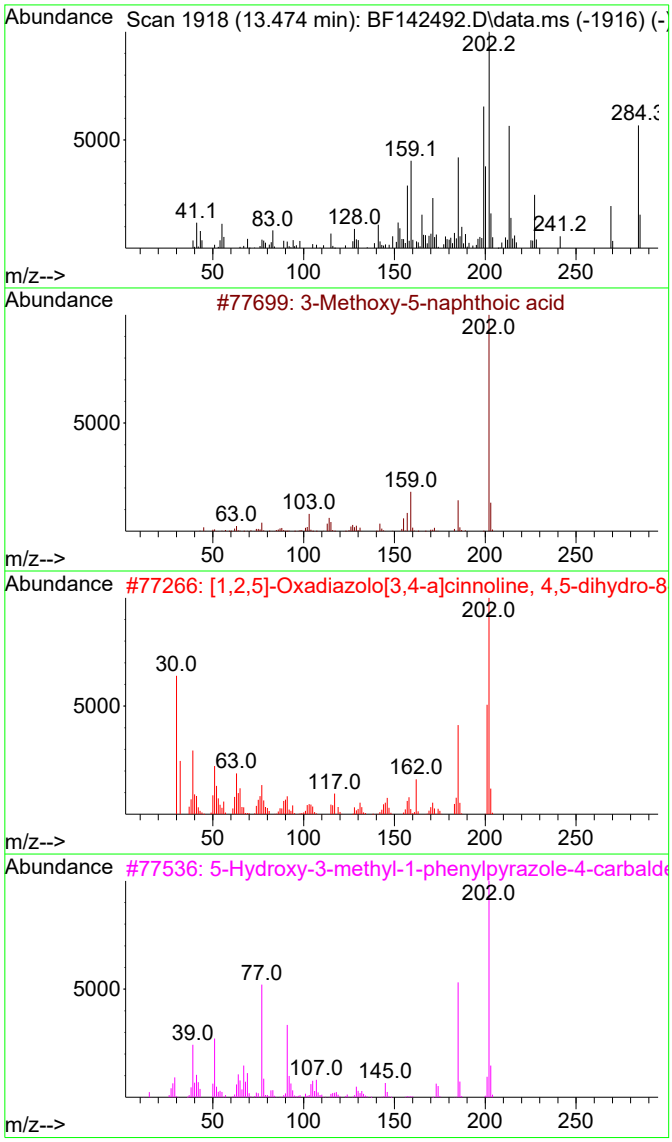
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

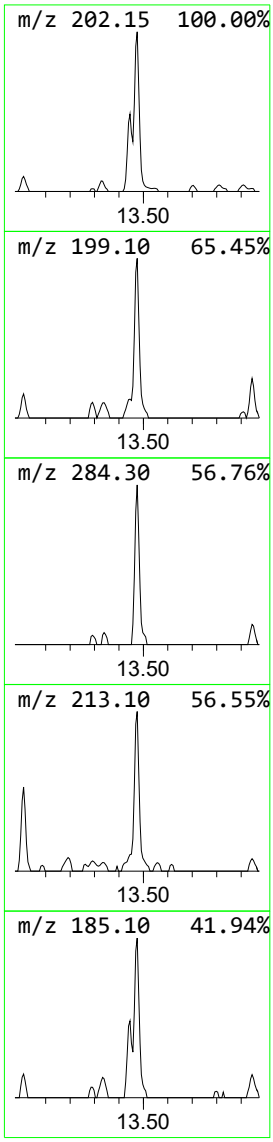
****

Peak Number 8 unknown13.474 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.474	5.28 ng	161119	Chrysene-d12	14.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methoxy-5-naphthoic acid	202	C12H10O3	007498-58-0	30
2	[1,2,5]-Oxadiazolo[3,4-a]cinnoli...	202	C10H10N4O	1000260-59-4	25
3	5-Hydroxy-3-methyl-1-phenylpyraz...	202	C11H10N2O2	060484-29-9	22
4	2-Ethylamino-3-piperidino-1,4-na...	284	C17H20N2O2	059641-39-3	18
5	1-Naphthalenecarboxylic acid, 2-...	202	C12H10O3	000947-62-6	12





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Data File : BF142492.D
Acq On : 21 May 2025 17:39
Operator : RC/JU
Sample : Q2080-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-HRH-COMP-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

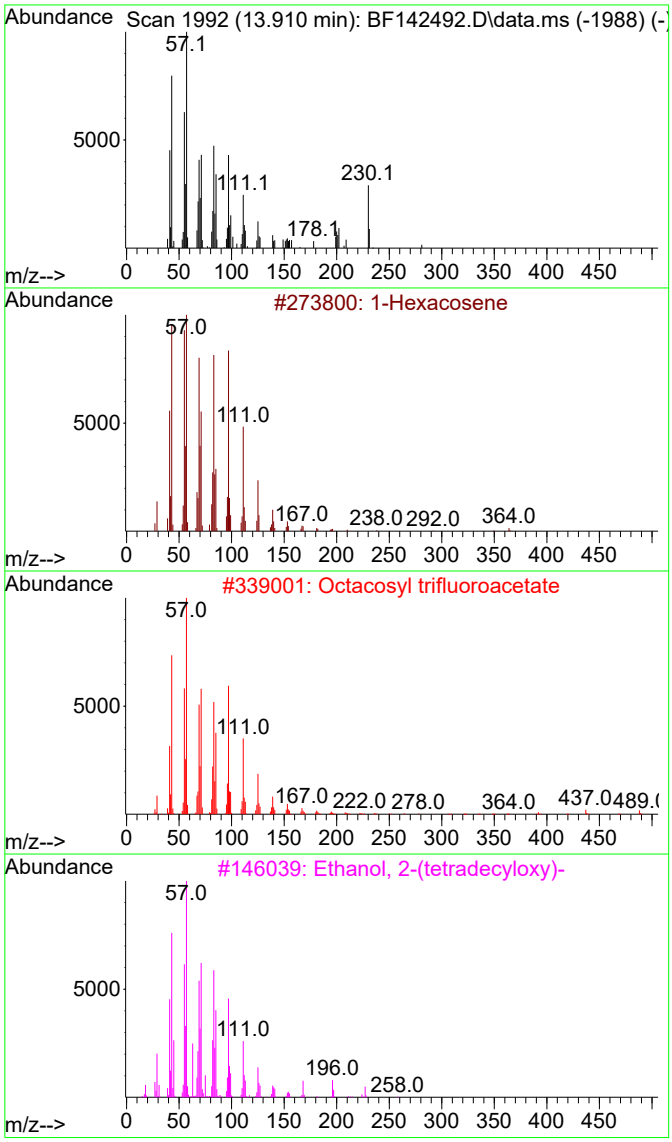
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

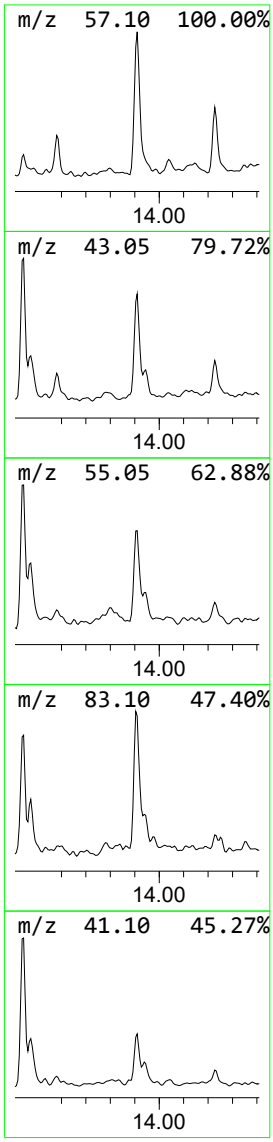
****

Peak Number 9 1-Hexacosene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.910	2.20 ng	67141	Chrysene-d12	14.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexacosene	364	C26H52	018835-33-1	91
2	Octacosyl trifluoroacetate	506	C30H57F3O2	1000351-74-9	87
3	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	87
4	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	87
5	Oxalic acid, isobutyl hexadecyl ...	370	C22H42O4	1000309-38-1	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052125\
Data File : BF142492.D
Acq On : 21 May 2025 17:39
Operator : RC/JU
Sample : Q2080-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-HRH-COMP-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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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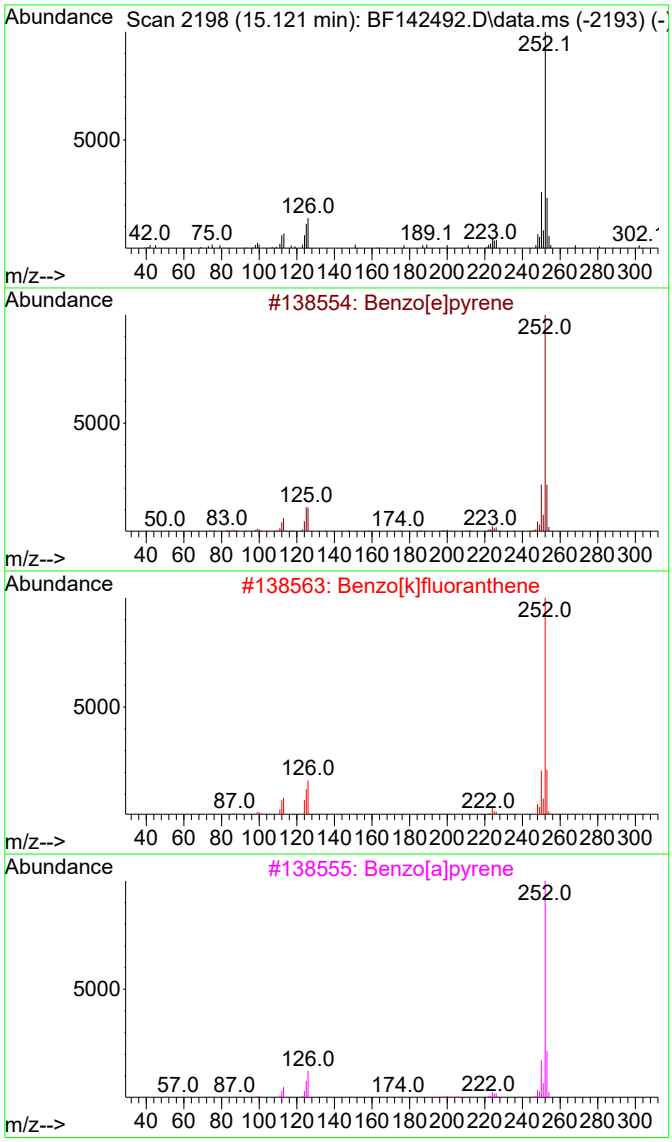
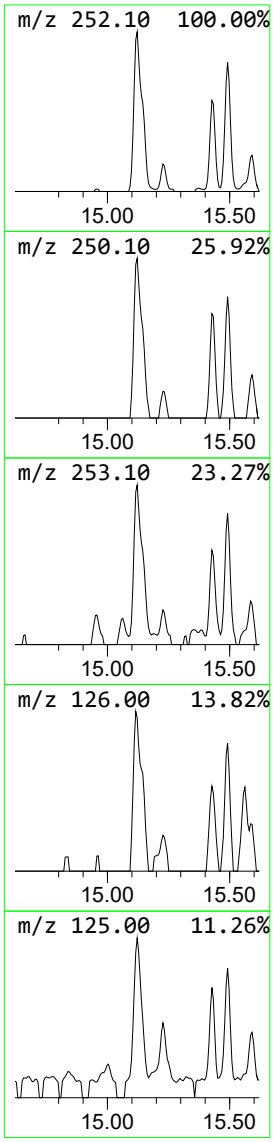
Peak Number 10 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.121	2.20 ng	68974	Perylene-d12	15.562

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	95
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	95
5	Perylene	252	C20H12	000198-55-0	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052125\
Data File : BF142492.D
Acq On : 21 May 2025 17:39
Operator : RC/JU
Sample : Q2080-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-HRH-COMP-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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-...	5.110	5.5	ng	148281	1	6.898	536118	20.0
Longifolene	9.575	8.6	ng	264044	3	9.939	616756	20.0
Cedrol	10.610	5.6	ng	172925	3	9.939	616756	20.0
Benzophenone	10.651	3.1	ng	95576	3	9.939	616756	20.0
n-Hexadecanoic ...	11.945	11.2	ng	284813	4	11.422	508279	20.0
Octadecanoic acid	12.733	3.5	ng	89094	4	11.422	508279	20.0
2-Phenanthrenol...	13.445	13.3	ng	404838	5	14.063	610141	20.0
unknown13.474	13.474	5.3	ng	161119	5	14.063	610141	20.0
1-Hexacosene	13.910	2.2	ng	67141	5	14.063	610141	20.0
Benzo[e]pyrene	15.121	2.2	ng	68974	6	15.562	626283	20.0