LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102825\
Data File : BF144105.D
Acq On : 28 Oct 2025 17:14
Operator : RC/JU
Sample : Q3419-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S16-119133-20251021

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-BF102425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF144105.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.940	460	467	471	rVB	10835	15400	1.57%	0.123%
2	5.022	471	481	489	rBV3	9247	23050	2.34%	0.185%
3	5.092	489	493	500	rVV	16054	23003	2.34%	0.184%
4	5.292	523	527	532	rBV2	12166	19419	1.97%	0.156%
5	5.492	556	561	572	rBV	660567	891468	90.63%	7.144%
6	5.651	584	588	592	rBV4	7510	12462	1.27%	0.100%
7	5.739	598	603	609	rVB7	6718	13342	1.36%	0.107%
8	5.804	609	614	618	rVB3	7306	10340	1.05%	0.083%
9	5.898	623	630	634	rBV4	11546	23476	2.39%	0.188%
10	5.945	634	638	642	rBV2	9933	16152	1.64%	0.129%
11	6.028	645	652	657	rVB3	15788	31256	3.18%	0.250%
12	6.081	657	661	664	rBV2	11610	17426	1.77%	0.140%
13	6.122	664	668	674	rBV2	53023	86933	8.84%	0.697%
14	6.181	674	678	681	rVB2	27530	32568	3.31%	0.261%
15	6.310	695	700	705	rBV2	24862	38261	3.89%	0.307%
16	6.410	712	717	725	rBV5	25904	57430	5.84%	0.460%
17	6.498	727	732	744	rVV	670251	983609	100.00%	7.883%
18	6.616	747	752	757	rVV4	27946	66357	6.75%	0.532%
19	6.657	757	759	765	rVV3	17753	26754	2.72%	0.214%
20	6.716	765	769	775	rVV6	13410	32884	3.34%	0.264%
21	6.804	775	784	787	rVV6	14189	41492	4.22%	0.333%
22	6.875	791	796	802	rVV2	343320	502560	51.09%	4.028%
23	6.928	802	805	809	rVV2	22896	39342	4.00%	0.315%
24	6.986	809	815	818	rVV4	33071	70543	7.17%	0.565%
25	7.022	818	821	824	rVV2	52187	73309	7.45%	0.588%
26	7.051	824	826	830	rVV	19518	28707	2.92%	0.230%
27	7.104	831	835	838	rVV2	21623	32608	3.32%	0.261%
28	7.145	838	842	846	rVB3	33676	50867	5.17%	0.408%
29	7.222	851	855	858	rBV2	14887	22111	2.25%	0.177%
30	7.269	859	863	866	rBV3	14005	19897	2.02%	0.159%
31	7.298	866	868	874	rVB5	15320	24455	2.49%	0.196%
32	7.357	874	878	881	rBV3	8338	16804	1.71%	0.135%
33	7.404	881	886	887	rBV2	36837	52582	5.35%	0.421%
34	7.439	887	892	900	rVB	409665	582819	59.25%	4.671%
35	7.516	900	905	909	rBV5	35790	55754	5.67%	0.447%
36	7.575	909	915	919	rBV2	29795	52850	5.37%	0.424%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102825\
Data File : BF144105.D
Acq On : 28 Oct 2025 17:14
Operator : RC/JU
Sample : Q3419-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S16-119133-20251021

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-BF102425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	7.651	925	928	931	rBV	37391	46921	4.77%	0.376%
38	7.681	931	933	941	rVB6	25886	40691	4.14%	0.326%
39	7.775	942	949	951	rBV3	30068	59453	6.04%	0.476%
40	7.869	962	965	968	rVB3	10592	11837	1.20%	0.095%
41	7.910	969	972	979	rBV7	13324	22110	2.25%	0.177%
42	7.975	979	983	988	rVB4	25405	36332	3.69%	0.291%
43	8.033	989	993	995	rBV2	28363	38490	3.91%	0.308%
44	8.110	1000	1006	1008	rVV4	25513	53630	5.45%	0.430%
45	8.157	1009	1014	1020	rVV	376680	545916	55.50%	4.375%
46	8.216	1020	1024	1027	rVV	135446	169932	17.28%	1.362%
47	8.245	1027	1029	1036	rVB5	37976	66642	6.78%	0.534%
48	8.310	1037	1040	1042	rBV	17985	24336	2.47%	0.195%
49	8.363	1045	1049	1056	rVB4	51745	89712	9.12%	0.719%
50	8.445	1057	1063	1069	rBV6	65677	128713	13.09%	1.032%
51	8.504	1070	1073	1076	rBV3	24993	32817	3.34%	0.263%
52	8.575	1082	1085	1096	rVB2	154041	287857	29.27%	2.307%
53	8.663	1097	1100	1102	rBV3	28273	30898	3.14%	0.248%
54	8.698	1102	1106	1110	rBV3	42796	67264	6.84%	0.539%
55	8.839	1127	1130	1134	rVB	74656	99630	10.13%	0.798%
56	8.939	1144	1147	1149	rBV4	25143	35731	3.63%	0.286%
57	9.033	1160	1163	1166	rBV4	42044	64889	6.60%	0.520%
58	9.175	1180	1187	1192	rVB	174370	249840	25.40%	2.002%
59	9.233	1192	1197	1202	rBV	683823	841100	85.51%	6.741%
60	9.316	1207	1211	1215	rBV2	71129	115687	11.76%	0.927%
61	9.569	1252	1254	1257	rBV2	28188	36489	3.71%	0.292%
62	9.633	1260	1265	1272	rVB2	193962	282197	28.69%	2.262%
63	9.780	1287	1290	1293	rBV2	39791	46934	4.77%	0.376%
64	9.916	1309	1313	1317	rVB	378041	450792	45.83%	3.613%
65	10.163	1352	1355	1364	rVB3	71005	131257	13.34%	1.052%
66	10.327	1380	1383	1387	rVB5	33802	43469	4.42%	0.348%
67	10.563	1418	1423	1428	rBV	191974	283976	28.87%	2.276%
68	10.704	1443	1447	1453	rVB	397121	495347	50.36%	3.970%
69	10.827	1464	1468	1476	rVB	249744	350513	35.64%	2.809%
70	11.292	1544	1547	1554	rVB2	175957	261345	26.57%	2.094%
71	11.404	1562	1566	1575	rBV2	318703	567611	57.71%	4.549%
72	12.627	1771	1774	1777	rBV	114264	131214	13.34%	1.052%
73	12.663	1777	1780	1784	rVB	134499	163772	16.65%	1.312%
74	12.851	1809	1812	1819	rVB	116442	171954	17.48%	1.378%
75	12.992	1832	1836	1844	rVB	437511	581803	59.15%	4.663%
76	13.133	1856	1860	1863	rBV	144719	189145	19.23%	1.516%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102825\
Data File : BF144105.D
Acq On : 28 Oct 2025 17:14
Operator : RC/JU
Sample : Q3419-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S16-119133-20251021

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-BF102425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.051	2012	2016	2025	rVB2	290022	485332	49.34%	3.890%
78	15.539	2265	2269	2289	rVB	288748	556118	56.54%	4.457%

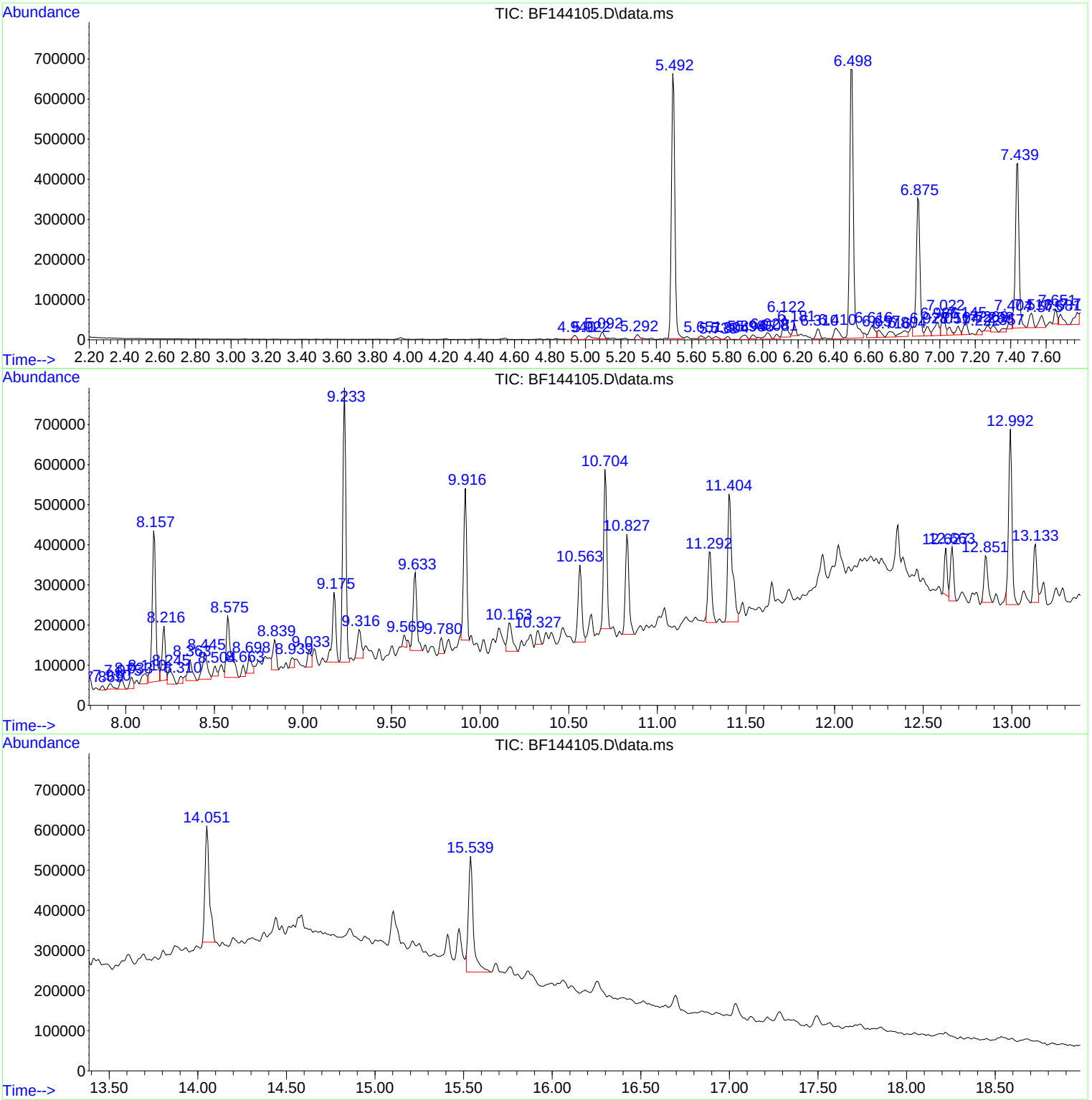
Sum of corrected areas: 12477986

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102825\
Data File : BF144105.D
Acq On : 28 Oct 2025 17:14
Operator : RC/JU
Sample : Q3419-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S16-119133-20251021

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.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\BF102825\
Data File : BF144105.D
Acq On : 28 Oct 2025 17:14
Operator : RC/JU
Sample : Q3419-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S16-119133-20251021

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

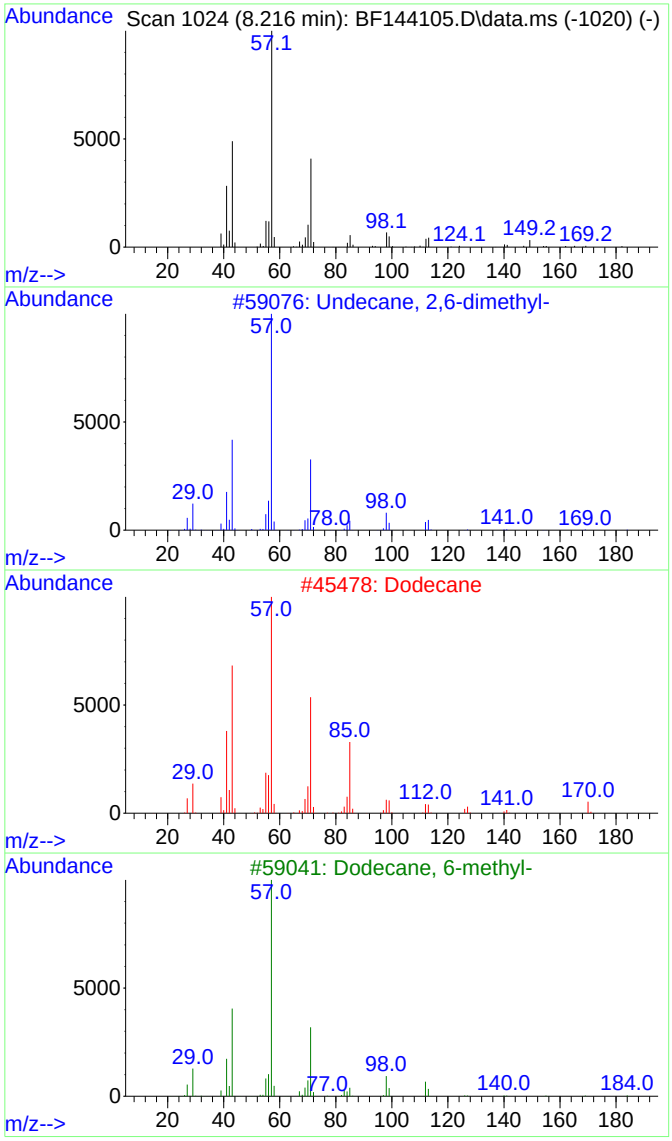
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

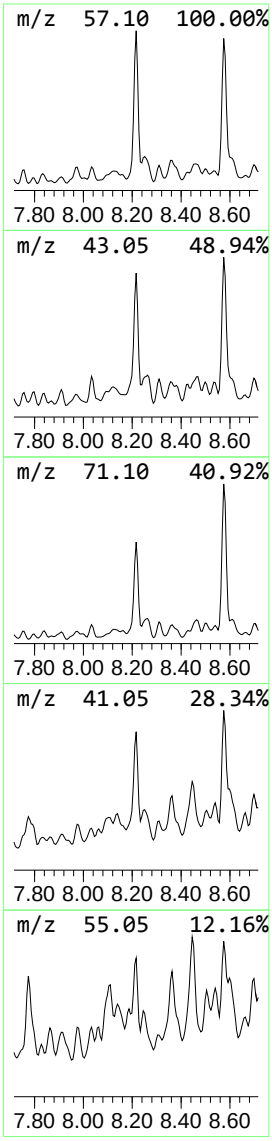
****

Peak Number 5 Undecane, 2,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.216	6.23 ng	169932	Naphthalene-d8	8.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	86
2	Dodecane	170	C12H26	000112-40-3	78
3	Dodecane, 6-methyl-	184	C13H28	006044-71-9	72
4	Sulfurous acid, butyl 2-ethylhex...	250	C12H26O3S	1000309-18-8	72
5	Heptane, 3-(bromomethyl)-	192	C8H17Br	018908-66-2	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102825\
Data File : BF144105.D
Acq On : 28 Oct 2025 17:14
Operator : RC/JU
Sample : Q3419-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S16-119133-20251021

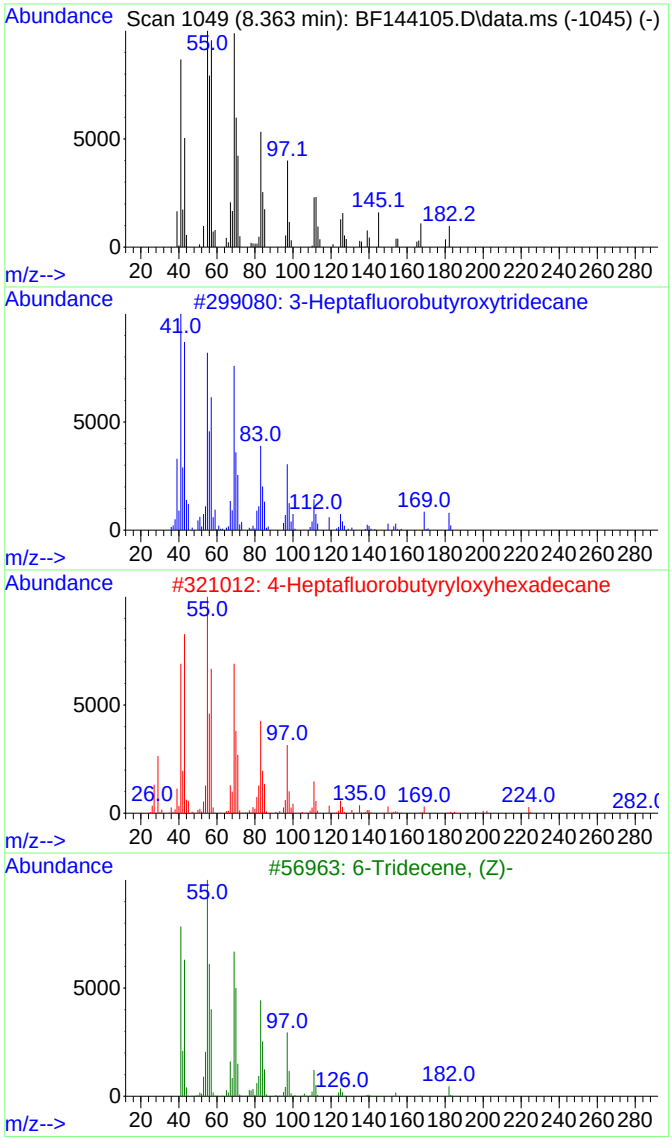
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

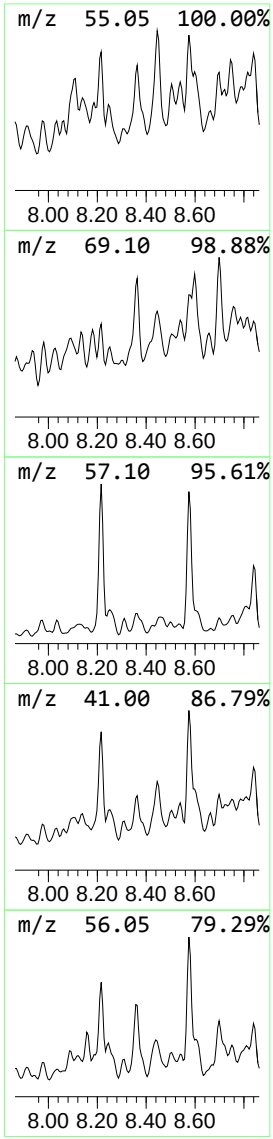
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 3-Heptafluorobutyroxytridecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.363	3.29 ng	89712	Naphthalene-d8	8.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Heptafluorobutyroxytridecane	396	C17H27F7O2	1000245-49-5	91
2	4-Heptafluorobutyryloxyhexadecane	438	C20H33F7O2	1010282-97-2	87
3	6-Tridecene, (Z)-	182	C13H26	006508-77-6	78
4	3-Tridecene, (E)-	182	C13H26	041446-57-5	76
5	2-Tridecene, (E)-	182	C13H26	041446-58-6	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102825\
Data File : BF144105.D
Acq On : 28 Oct 2025 17:14
Operator : RC/JU
Sample : Q3419-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S16-119133-20251021

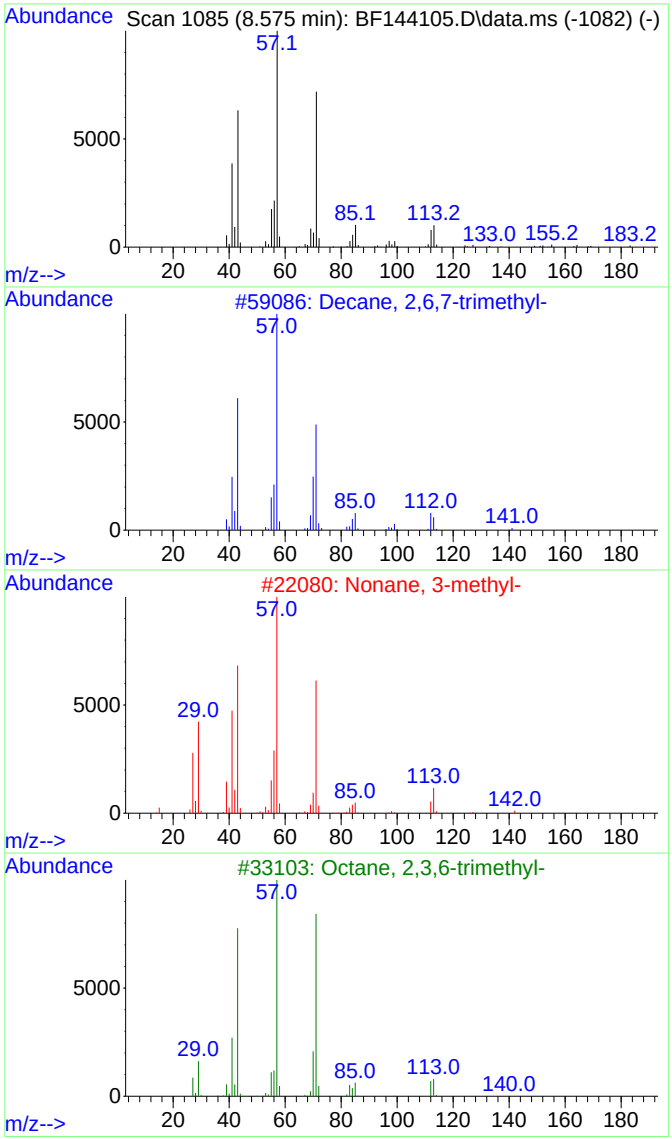
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

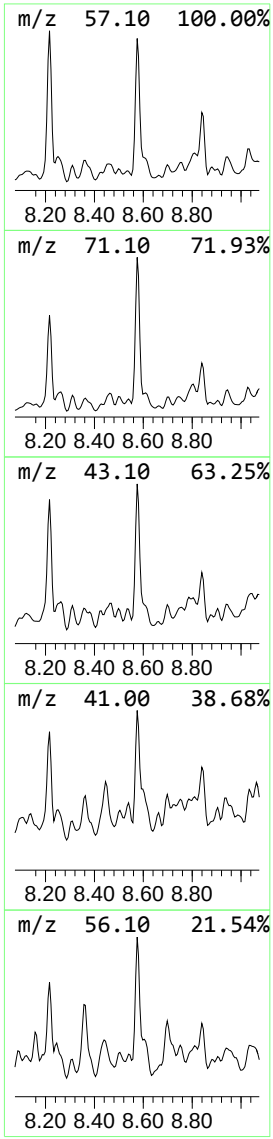
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Decane, 2,6,7-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.575	10.55 ng	287857	Naphthalene-d8	8.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	90
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	83
3	Octane, 2,3,6-trimethyl-	156	C11H24	062016-33-5	78
4	Undecane, 4,5-dimethyl-	184	C13H28	017312-79-7	72
5	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1010309-19-2	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102825\
Data File : BF144105.D
Acq On : 28 Oct 2025 17:14
Operator : RC/JU
Sample : Q3419-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S16-119133-20251021

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

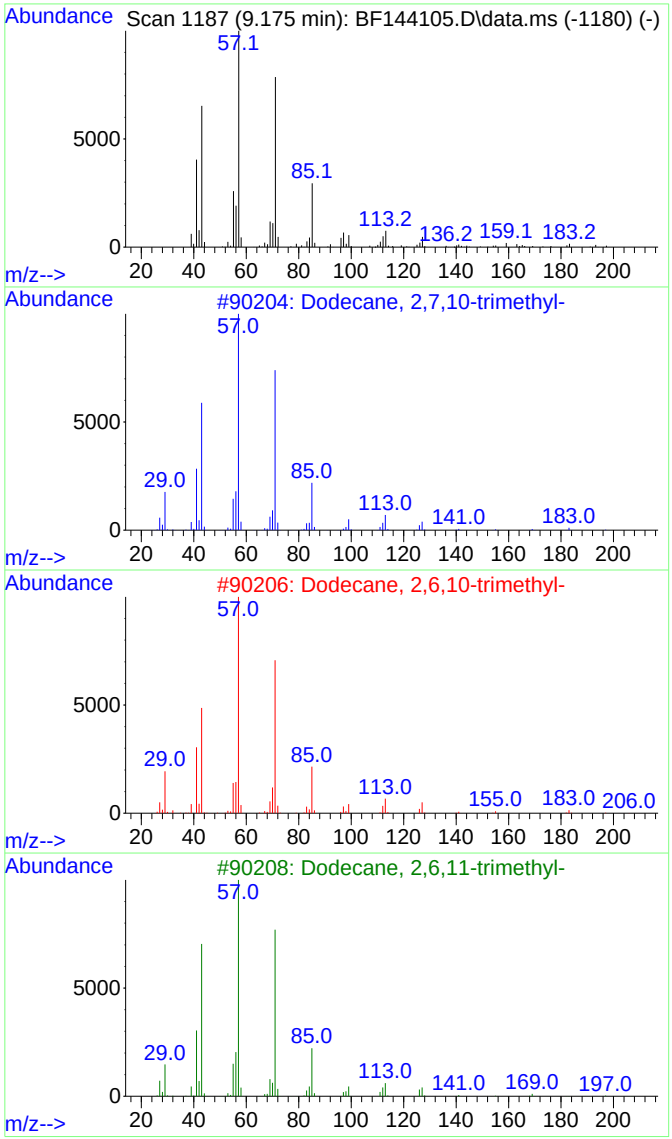
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

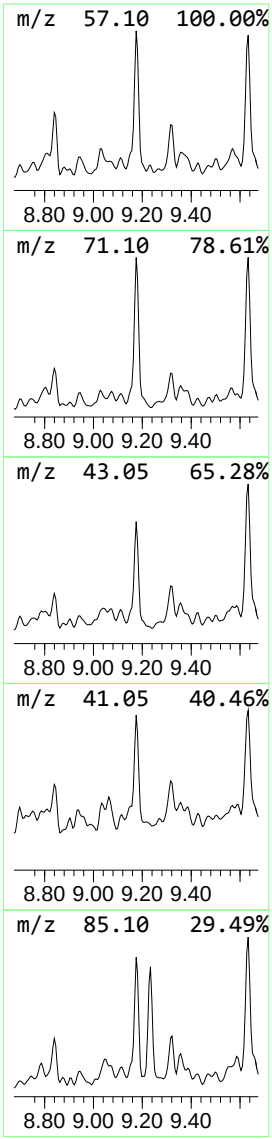
****

Peak Number 13 Dodecane, 2,7,10-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.175	11.08 ng	249840	Acenaphthene-d10	9.916

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	91
2	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	90
3	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	83
4	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	83
5	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1010309-19-2	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102825\
Data File : BF144105.D
Acq On : 28 Oct 2025 17:14
Operator : RC/JU
Sample : Q3419-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S16-119133-20251021

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

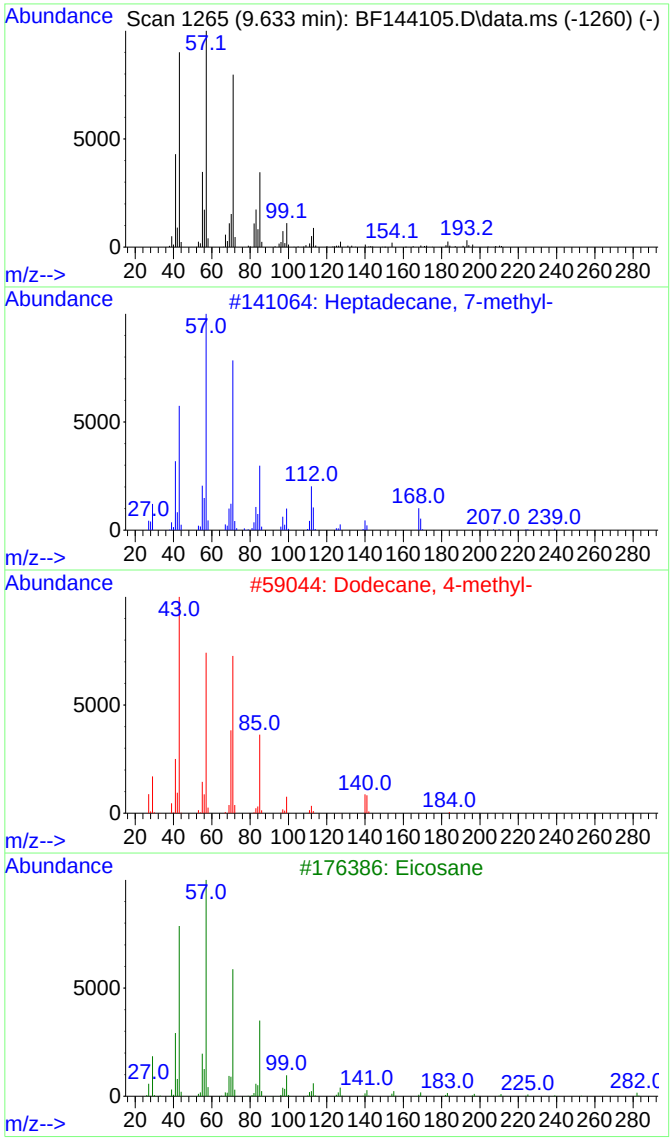
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

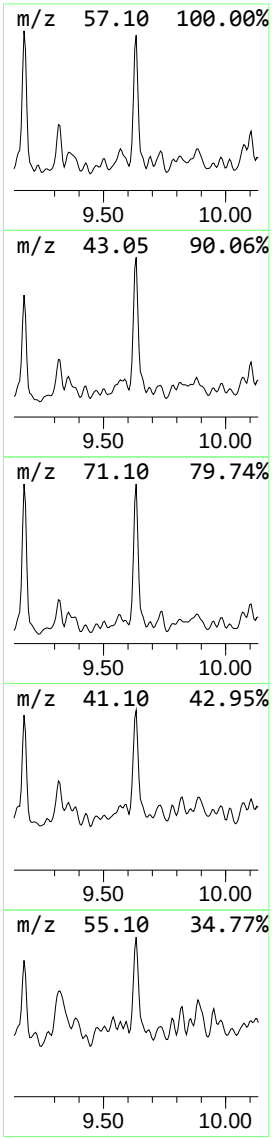
****

Peak Number 15 Heptadecane, 7-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.633	12.52 ng	282197	Acenaphthene-d10	9.916

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 7-methyl-	254	C18H38	020959-33-5	90
2	Dodecane, 4-methyl-	184	C13H28	006117-97-1	87
3	Eicosane	282	C20H42	000112-95-8	86
4	Decane, 5-propyl-	184	C13H28	017312-62-8	83
5	Undecane, 6-ethyl-	184	C13H28	017312-60-6	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102825\
Data File : BF144105.D
Acq On : 28 Oct 2025 17:14
Operator : RC/JU
Sample : Q3419-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S16-119133-20251021

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

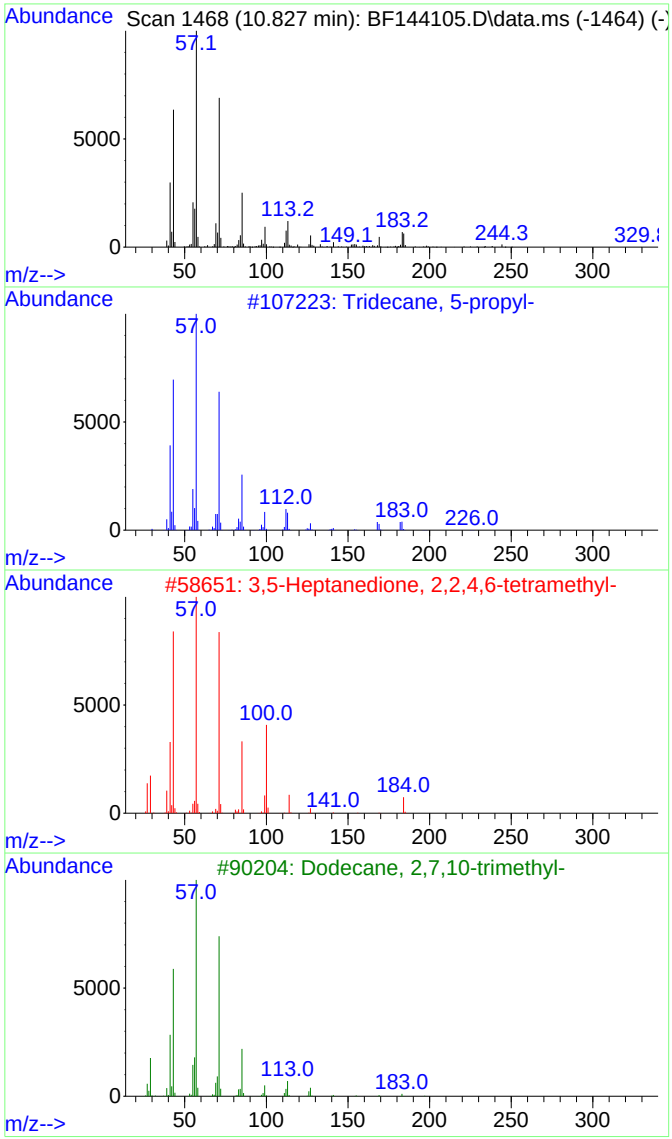
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

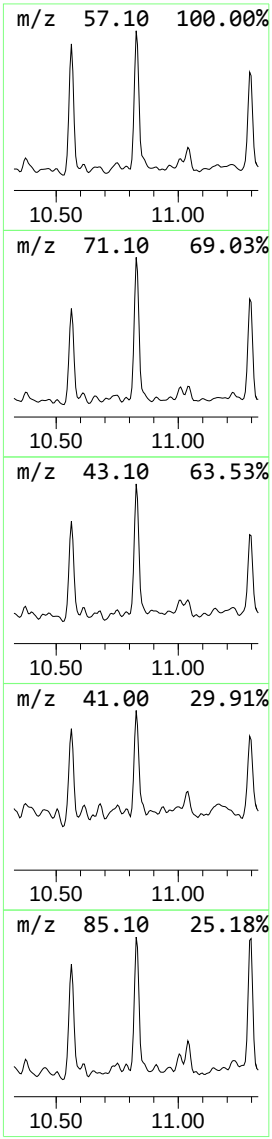
****

Peak Number 18 Tridecane, 5-propyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.827	12.35 ng	350513	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 5-propyl-	226	C16H34	055045-11-9	86
2	3,5-Heptanedione, 2,2,4,6-tetram...	184	C11H20O2	1000162-24-5	81
3	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
4	Tridecane	184	C13H28	000629-50-5	72
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	72





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Acq On : 28 Oct 2025 17:14
Operator : RC/JU
Sample : Q3419-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PR132-S16-119133-20251021

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

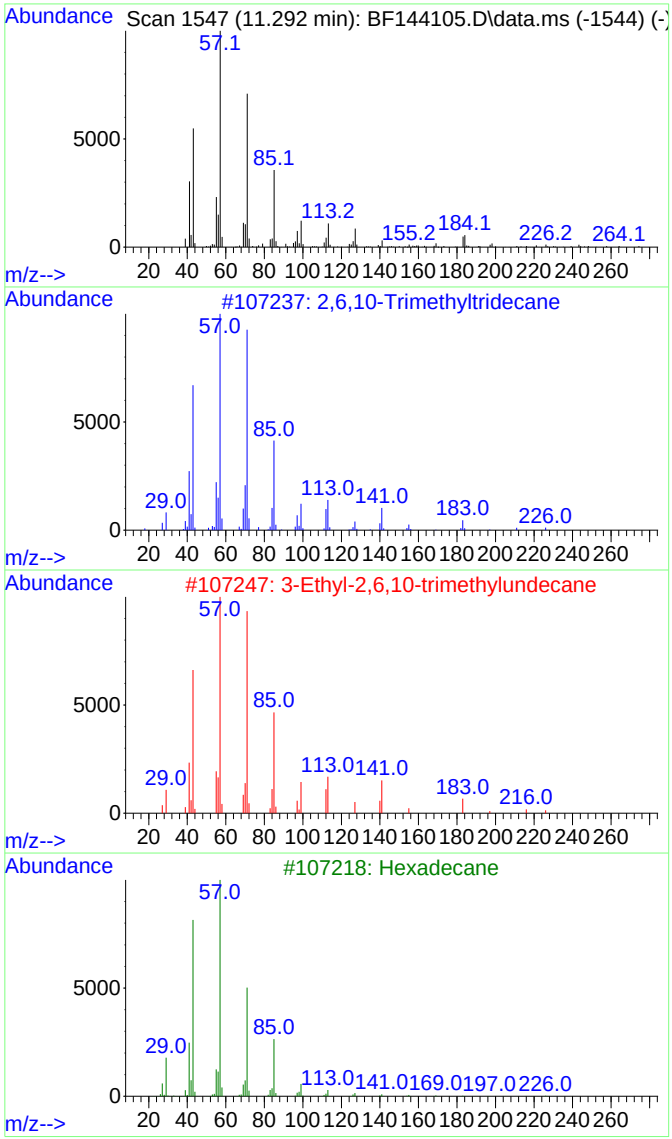
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

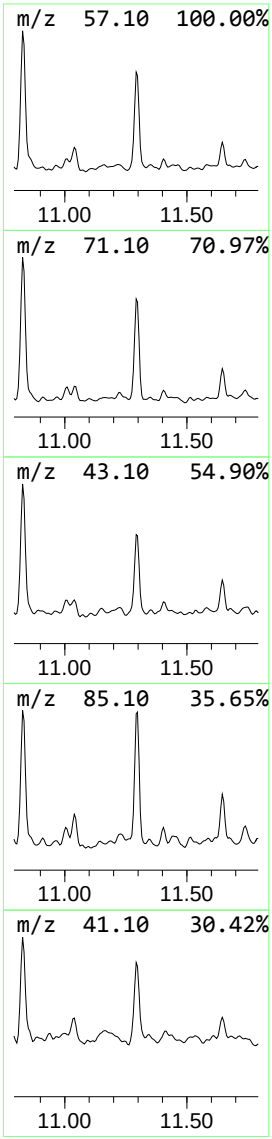
****

Peak Number 19 2,6,10-Trimethyltridecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.292	9.21 ng	261345	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6,10-Trimethyltridecane	226	C16H34	003891-99-4	93
2	3-Ethyl-2,6,10-trimethylundecane	226	C16H34	1000432-25-9	90
3	Hexadecane	226	C16H34	000544-76-3	87
4	Heneicosane	296	C21H44	000629-94-7	87
5	Tridecane	184	C13H28	000629-50-5	87





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Data File : BF144105.D
Acq On : 28 Oct 2025 17:14
Operator : RC/JU
Sample : Q3419-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S16-119133-20251021

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.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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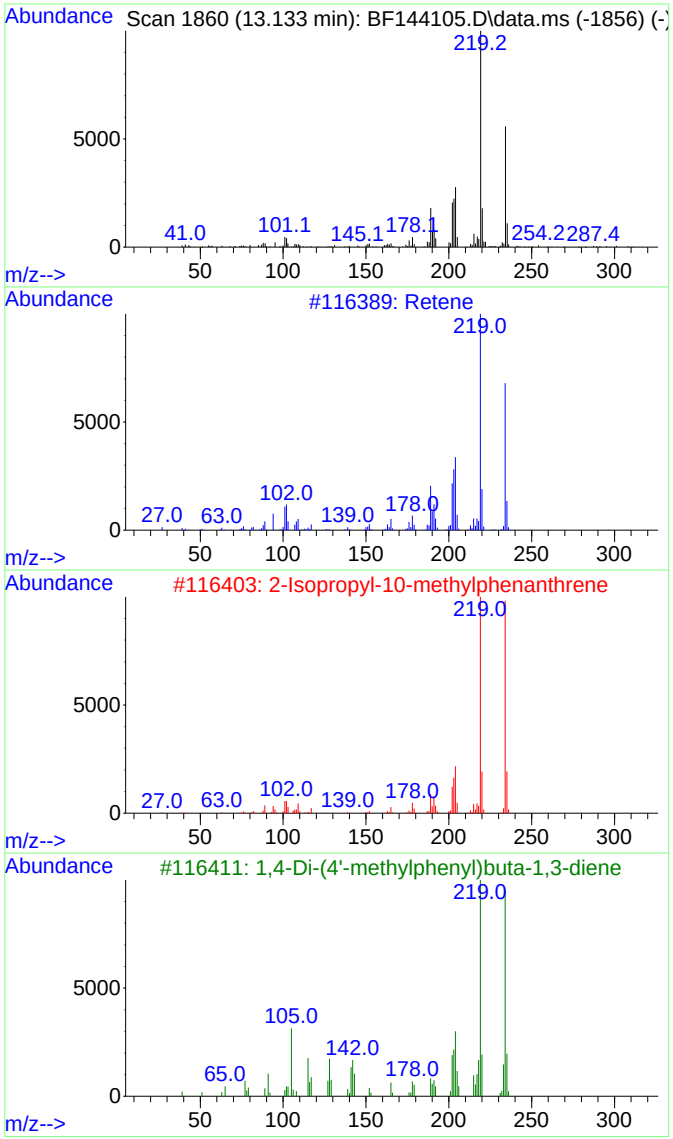
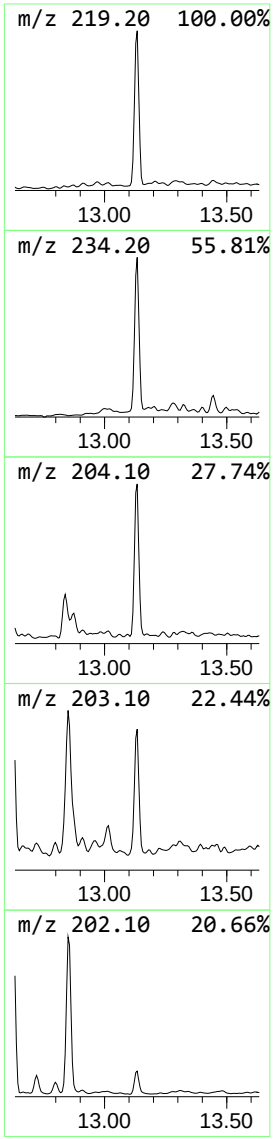
Peak Number 20 Retene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.133	7.79 ng	189145	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Retene	234	C18H18	000483-65-8	98
2	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	94
3	1,4-Di-(4'-methylphenyl)buta-1,3...	234	C18H18	1000202-17-5	91
4	Pyrrolidine, 1-tricyclo[4.3.1.1<...	219	C15H25N	085538-51-8	80
5	Phenanthrene, 2,4,5,7-tetramethyl-	234	C18H18	007396-38-5	74





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102825\
Data File : BF144105.D
Acq On : 28 Oct 2025 17:14
Operator : RC/JU
Sample : Q3419-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S16-119133-20251021

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.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
Undecane, 2,6-d...	8.216	6.2	ng	169932	2	8.157	545916	20.0
3-Heptafluorobu...	8.363	3.3	ng	89712	2	8.157	545916	20.0
Decane, 2,6,7-t...	8.575	10.6	ng	287857	2	8.157	545916	20.0
Dodecane, 2,7,1...	9.175	11.1	ng	249840	3	9.916	450792	20.0
Heptadecane, 7-...	9.633	12.5	ng	282197	3	9.916	450792	20.0
Tridecane, 5-pr...	10.827	12.4	ng	350513	4	11.404	567611	20.0
2,6,10-Trimethy...	11.292	9.2	ng	261345	4	11.404	567611	20.0
Retene	13.133	7.8	ng	189145	5	14.051	485332	20.0