LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120425\
Data File : BF144430.D
Acq On : 04 Dec 2025 15:08
Operator : RC/JU
Sample : Q3767-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
346

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-BF110525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF144430.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.075	484	490	504	rBV	127583	189183	14.78%	1.845%
2	5.487	555	560	576	rBV	446103	639433	49.96%	6.236%
3	6.140	665	671	676	rVB	290500	369609	28.88%	3.605%
4	6.292	691	697	698	rBV2	58463	82851	6.47%	0.808%
5	6.492	726	731	739	rBV	419389	594703	46.47%	5.800%
6	6.557	739	742	748	rVB	17625	26711	2.09%	0.260%
7	6.863	789	794	801	rVV	205430	274704	21.46%	2.679%
8	6.934	801	806	810	rVV	149684	181090	14.15%	1.766%
9	6.975	810	813	822	rVB	12646	17697	1.38%	0.173%
10	7.422	880	889	901	rBV	289297	434419	33.94%	4.237%
11	7.886	964	968	973	rVB	23156	27863	2.18%	0.272%
12	8.081	997	1001	1007	rVV	16636	20472	1.60%	0.200%
13	8.145	1007	1012	1027	rVB	220549	306206	23.92%	2.986%
14	9.216	1189	1194	1204	rBV	551008	698071	54.54%	6.808%
15	9.898	1305	1310	1320	rVB	232582	297642	23.26%	2.903%
16	10.322	1375	1382	1386	rBV4	7681	13118	1.02%	0.128%
17	10.616	1426	1432	1438	rVV	57848	78979	6.17%	0.770%
18	10.692	1440	1445	1457	rVV	293305	393568	30.75%	3.838%
19	10.804	1459	1464	1468	rVB3	8801	15330	1.20%	0.150%
20	11.392	1559	1564	1574	rBV2	221469	321817	25.14%	3.138%
21	11.627	1598	1604	1609	rBV3	12121	26171	2.04%	0.255%
22	11.910	1647	1652	1660	rBV2	120562	198866	15.54%	1.939%
23	12.010	1665	1669	1675	rVV	12946	27120	2.12%	0.264%
24	12.086	1678	1682	1688	rVV6	10992	23710	1.85%	0.231%
25	12.163	1692	1695	1698	rVV3	9145	13164	1.03%	0.128%
26	12.221	1702	1705	1711	rVB3	12251	18765	1.47%	0.183%
27	12.310	1717	1720	1727	rBV8	6073	13000	1.02%	0.127%
28	12.610	1766	1771	1777	rBV	157646	213373	16.67%	2.081%
29	12.698	1782	1786	1793	rBV2	52186	85476	6.68%	0.834%
30	12.839	1804	1810	1816	rBV	127889	185505	14.49%	1.809%
31	12.974	1827	1833	1843	rVB	538156	754787	58.97%	7.361%
32	13.057	1843	1847	1851	rBV3	10883	19863	1.55%	0.194%
33	13.174	1859	1867	1870	rBV2	30242	62187	4.86%	0.606%
34	13.233	1875	1877	1881	rVV2	16948	21634	1.69%	0.211%
35	13.292	1881	1887	1895	rVB4	15315	39131	3.06%	0.382%
36	13.392	1901	1904	1908	rVB2	13755	16467	1.29%	0.161%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120425\
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Acq On : 04 Dec 2025 15:08
Operator : RC/JU
Sample : Q3767-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
346

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-BF110525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	13.521	1921	1926	1933	rBV3	101106	180388	14.09%	1.759%
38	13.586	1934	1937	1947	rVB7	22678	39095	3.05%	0.381%
39	13.680	1950	1953	1955	rBV	17368	20622	1.61%	0.201%
40	13.715	1955	1959	1962	rBV	177318	284125	22.20%	2.771%
41	13.745	1962	1964	1969	rVB	209033	264999	20.71%	2.584%
42	13.839	1975	1980	1985	rBV	406551	593303	46.36%	5.786%
43	14.021	2005	2011	2027	rBV3	468034	1279870	100.00%	12.482%
44	14.204	2038	2042	2051	rVB4	67669	115007	8.99%	1.122%
45	15.092	2188	2193	2200	rBV	107217	226497	17.70%	2.209%
46	15.398	2242	2245	2251	rVB	52621	74864	5.85%	0.730%
47	15.462	2252	2256	2261	rVV	63413	98386	7.69%	0.960%
48	15.527	2262	2267	2278	rVB	221650	374039	29.22%	3.648%

Sum of corrected areas: 10253880

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120425\
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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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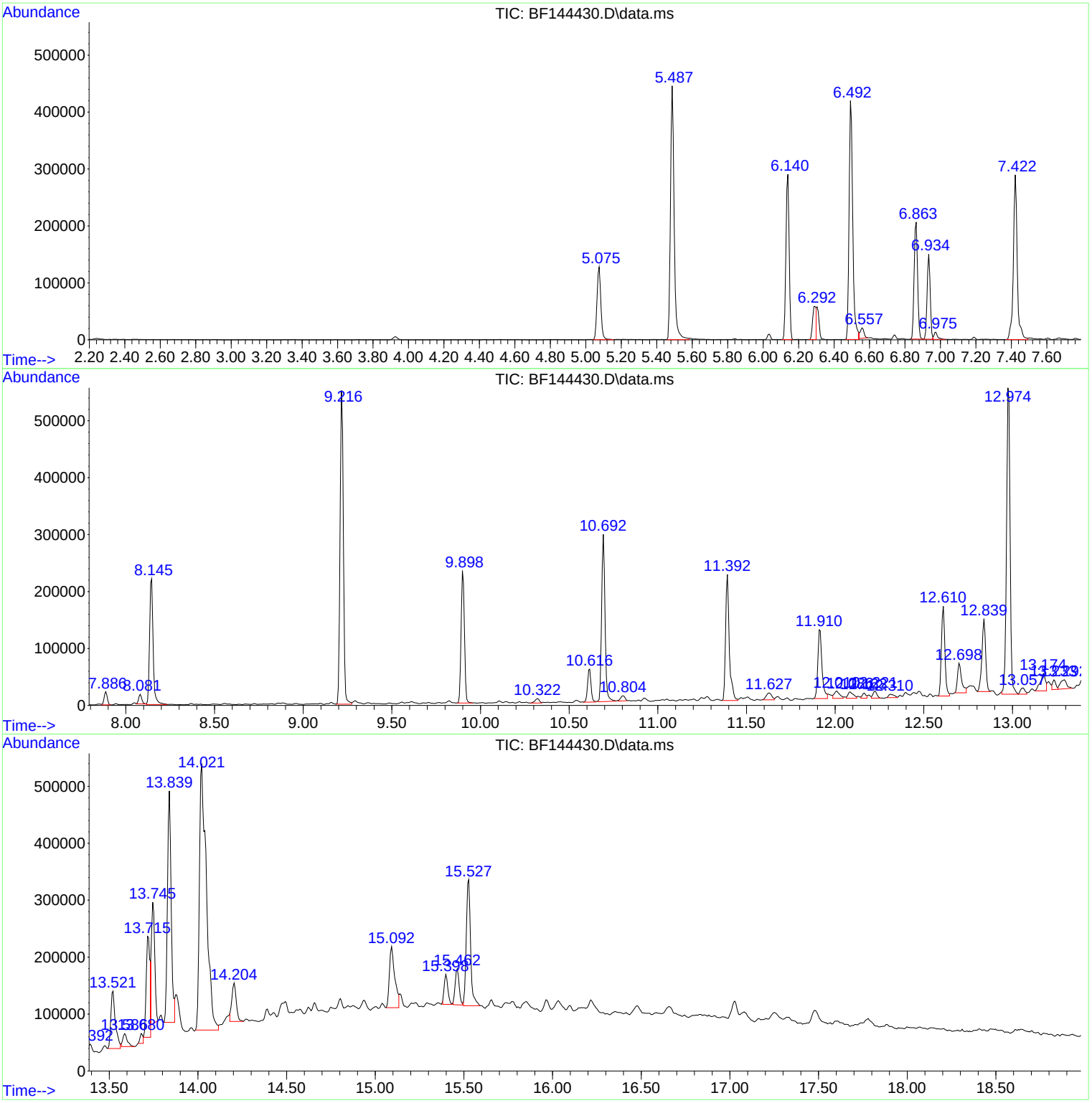
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120425\
Data File : BF144430.D
Acq On : 04 Dec 2025 15:08
Operator : RC/JU
Sample : Q3767-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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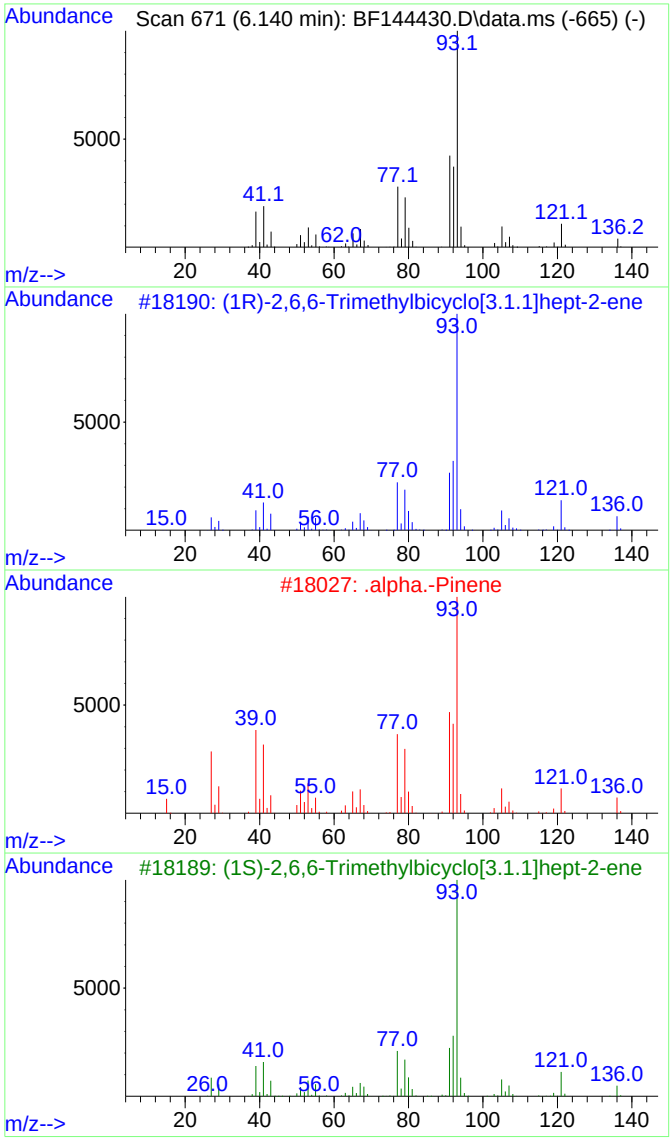
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

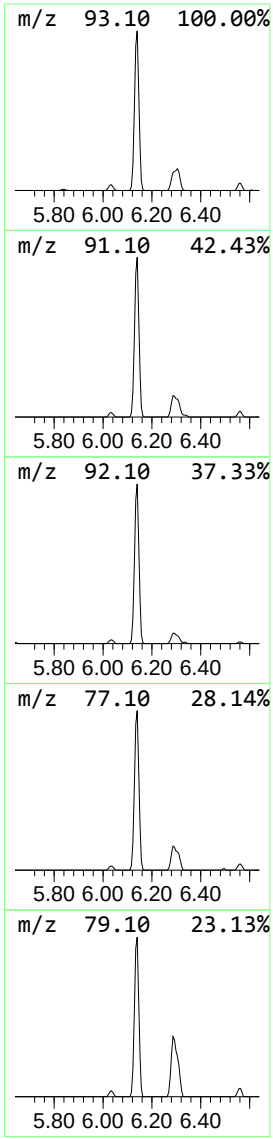
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (1R)-2,6,6-Trimethylbicyclo... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.140	26.91 ng	369609	1,4-Dichlorobenzene-d4	6.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	96
2	.alpha.-Pinene	136	C10H16	000080-56-8	95
3	(1S)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-26-4	91
4	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	91
5	Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120425\
Data File : BF144430.D
Acq On : 04 Dec 2025 15:08
Operator : RC/JU
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Misc :
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Instrument :
BNA_F
ClientSampleId :
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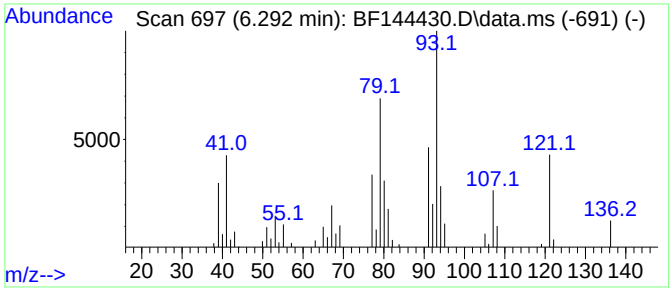
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

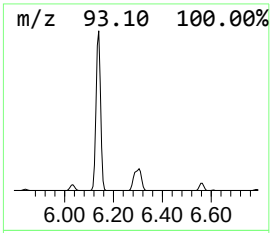
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

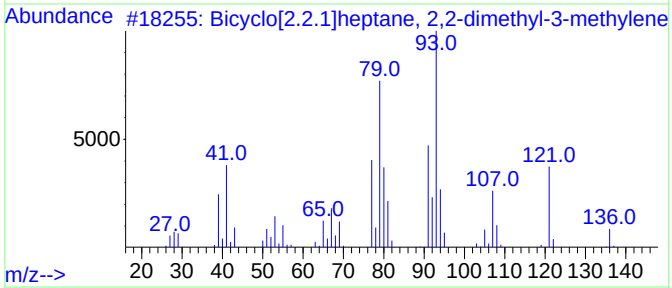
****
Peak Number 3 Bicyclo[2.2.1]heptane, 2,2-... Concentration Rank 6

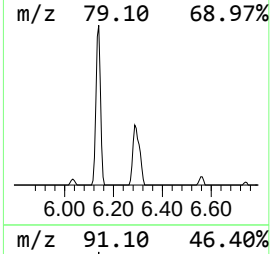
R.T.	EstConc	Area	Relative to ISTD	R.T.
6.292	6.03 ng	82851	1,4-Dichlorobenzene-d4	6.863

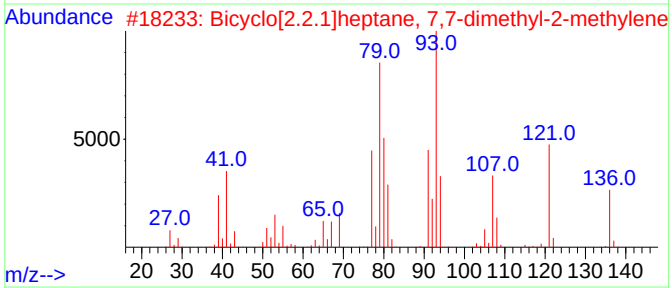
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptane, 2,2-dimet...	136	C10H16	005794-03-6	98
2	Bicyclo[2.2.1]heptane, 7,7-dimet...	136	C10H16	000471-84-1	97
3	1,3,6-Heptatriene, 2,5,5-trimethyl-	136	C10H16	029548-02-5	74
4	.beta.-Pinene	136	C10H16	000127-91-3	58
5	Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	58

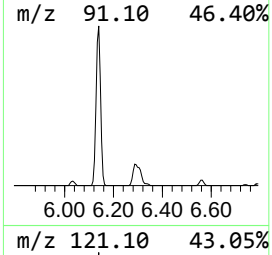


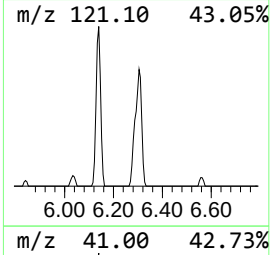


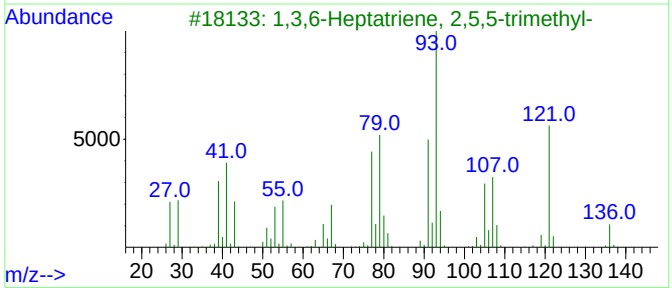


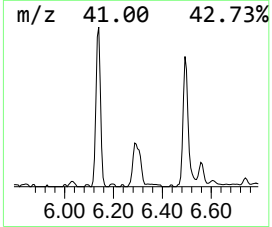












Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120425\
Data File : BF144430.D
Acq On : 04 Dec 2025 15:08
Operator : RC/JU
Sample : Q3767-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
346

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

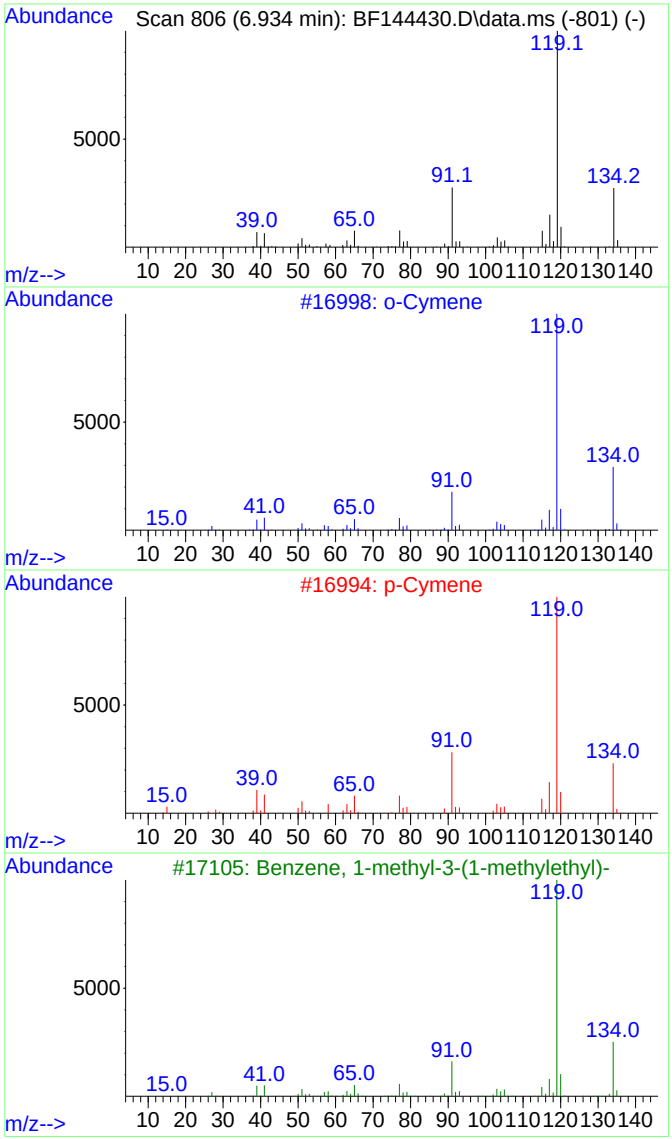
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

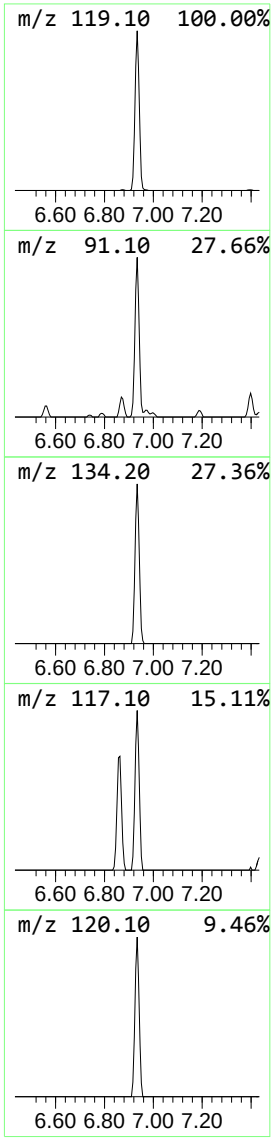
****

Peak Number 4 o-Cymene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.934	13.18 ng	181090	1,4-Dichlorobenzene-d4	6.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	94
2	p-Cymene	134	C10H14	000099-87-6	94
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120425\
Data File : BF144430.D
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Sample : Q3767-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

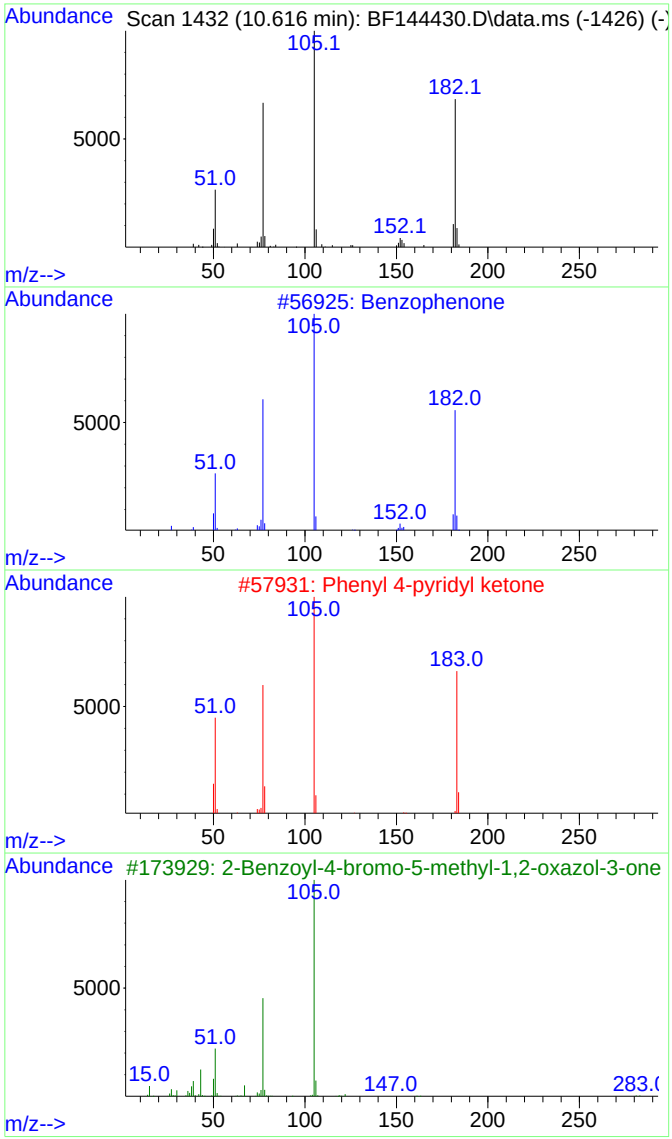
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

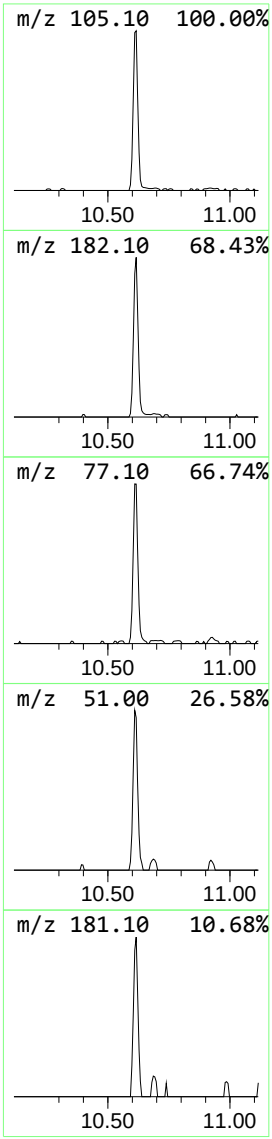
****

Peak Number 5 Benzophenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.616	5.31 ng	78979	Acenaphthene-d10	9.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	53
3	2-Benzoyl-4-bromo-5-methyl-1,2-o...	281	C11H8BrNO3	1000444-92-3	47
4	acetic acid, 2-bromo-, 2-oxo-2-p...	256	C10H9BrO3	1000401-50-0	47
5	Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120425\
Data File : BF144430.D
Acq On : 04 Dec 2025 15:08
Operator : RC/JU
Sample : Q3767-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

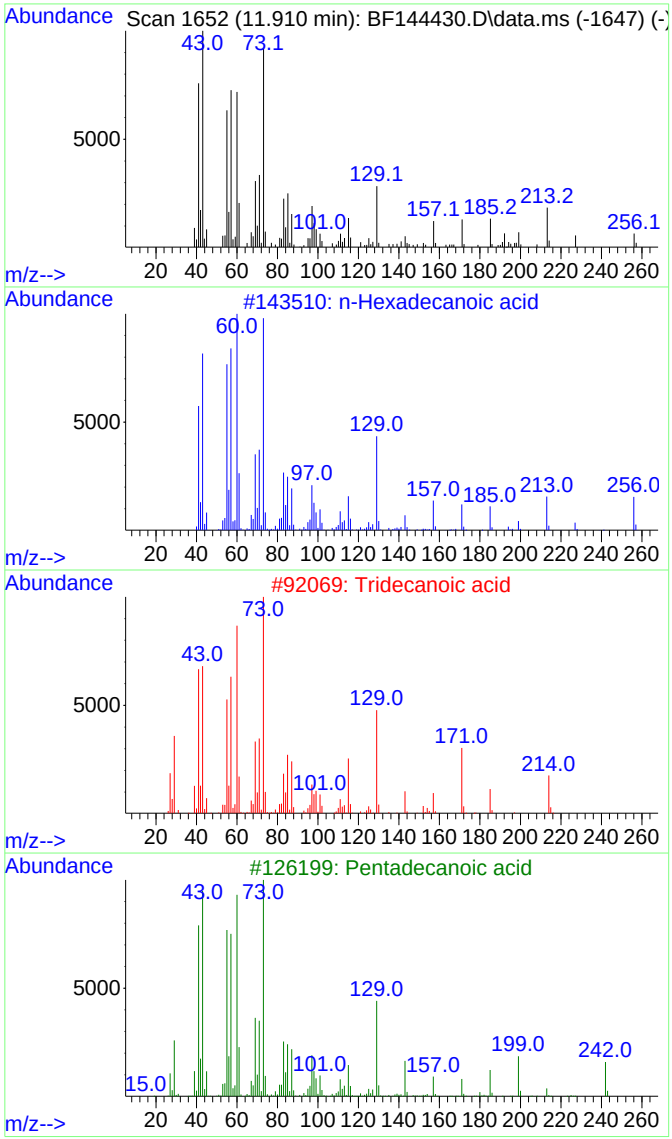
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

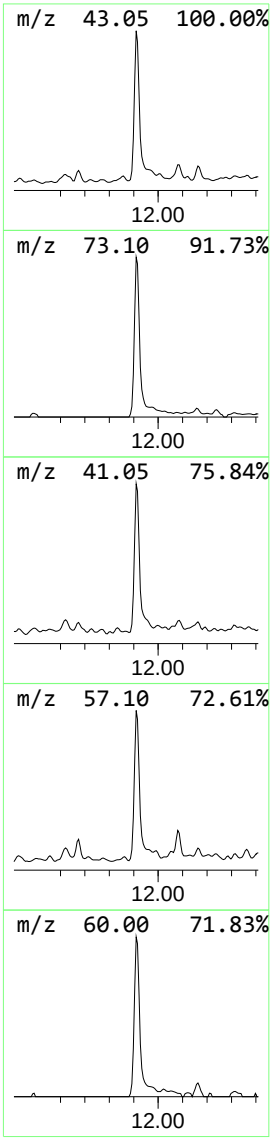
****

Peak Number 6 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.910	12.36 ng	198866	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tridecanoic acid	214	C13H26O2	000638-53-9	96
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	68
4	Dodecanoic acid	200	C12H24O2	000143-07-7	64
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120425\
Data File : BF144430.D
Acq On : 04 Dec 2025 15:08
Operator : RC/JU
Sample : Q3767-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
346

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

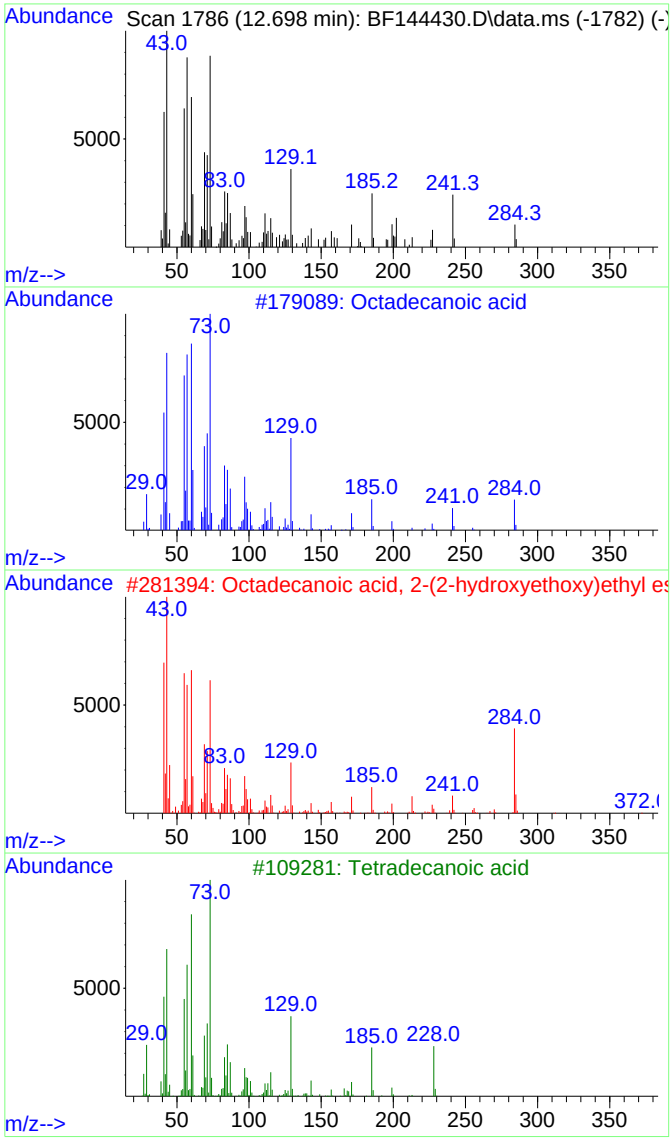
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

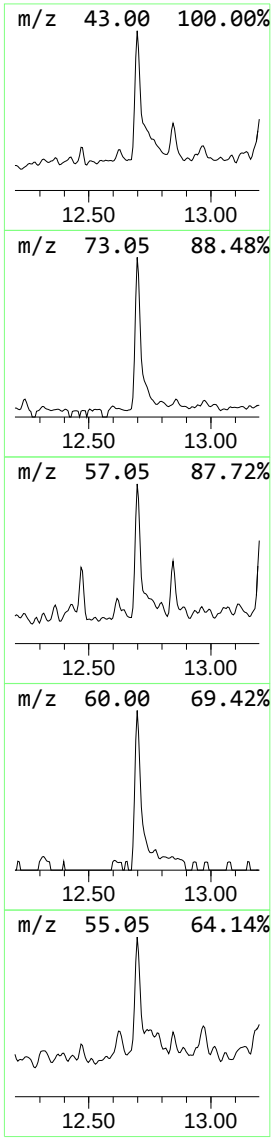
****

Peak Number 7 Octadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.698	5.31 ng	85476	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	98
2	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	64
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	58
4	Undecanoic acid	186	C11H22O2	000112-37-8	55
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120425\
Data File : BF144430.D
Acq On : 04 Dec 2025 15:08
Operator : RC/JU
Sample : Q3767-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
346

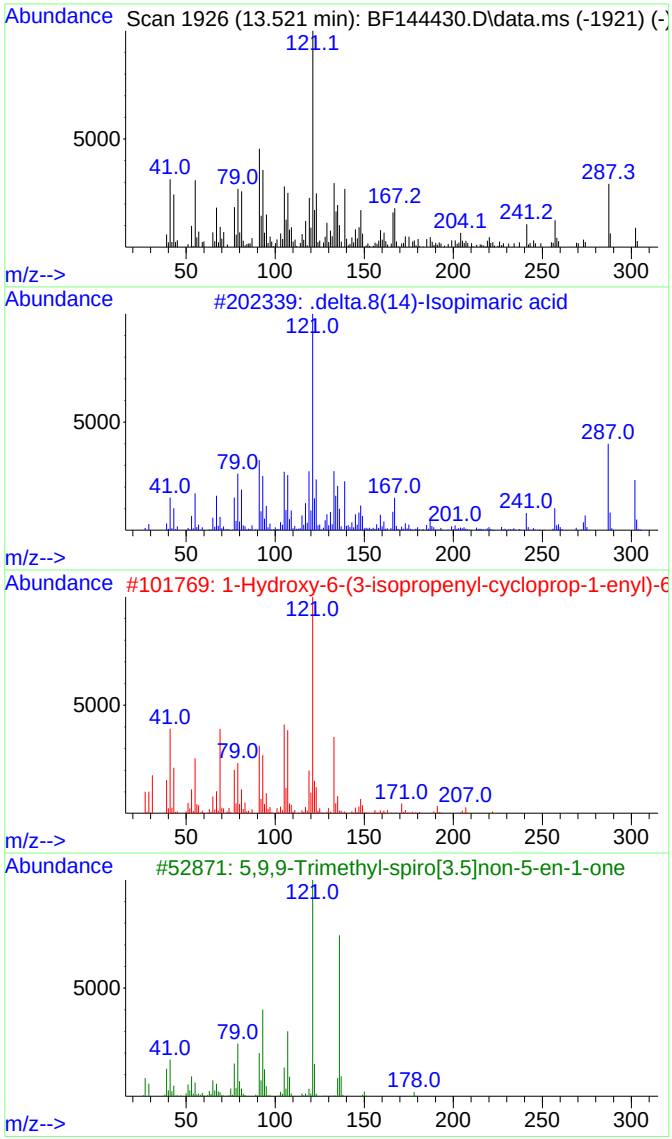
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

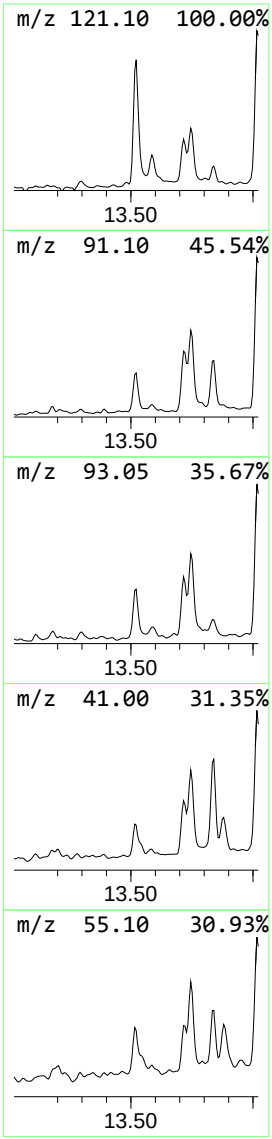
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 .delta.8(14)-Isopimaric acid Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.521	2.82 ng	180388	Chrysene-d12	14.039

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.delta.8(14)-Isopimaric acid	302	C20H30O2	000471-74-9	96
2	1-Hydroxy-6-(3-isopropenyl-cyclo...	222	C14H22O2	1010189-14-9	46
3	5,9,9-Trimethyl-spiro[3.5]non-5-...	178	C12H18O	1000185-13-4	38
4	Phenol, 3,4,5-trimethyl-, methyl...	193	C11H15NO2	002686-99-9	35
5	(R)-2-Methyl-1-(m-tolyl)propyl a...	206	C13H18O2	1396747-46-8	30





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Acq On : 04 Dec 2025 15:08
Operator : RC/JU
Sample : Q3767-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
346

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.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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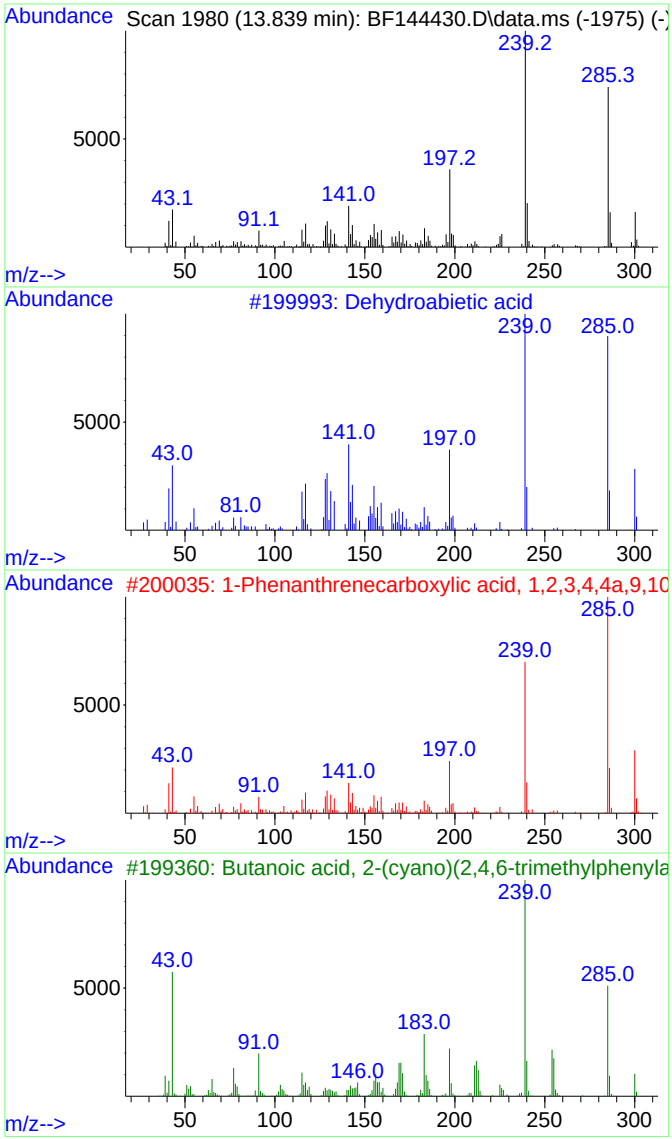
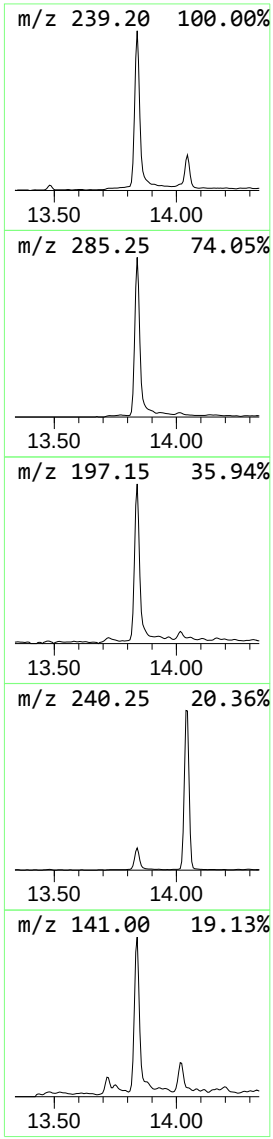
Peak Number 11 Dehydroabietic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.839	9.27 ng	593303	Chrysene-d12	14.039

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dehydroabietic acid	300	C20H28O2	001740-19-8	99
2	1-Phenanthrenecarboxylic acid, 1...	300	C20H28O2	005155-70-4	96
3	Butanoic acid, 2-(cyano)(2,4,6-t...	300	C17H20N2O3	1000267-71-7	87
4	Kaura-9(11),16-dien-18-oic acid,...	300	C20H28O2	022338-67-6	83
5	1,4-Benzenediamine, N,N-dimethyl...	285	C15H15N3O3	121793-09-7	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120425\
Data File : BF144430.D
Acq On : 04 Dec 2025 15:08
Operator : RC/JU
Sample : Q3767-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
346

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.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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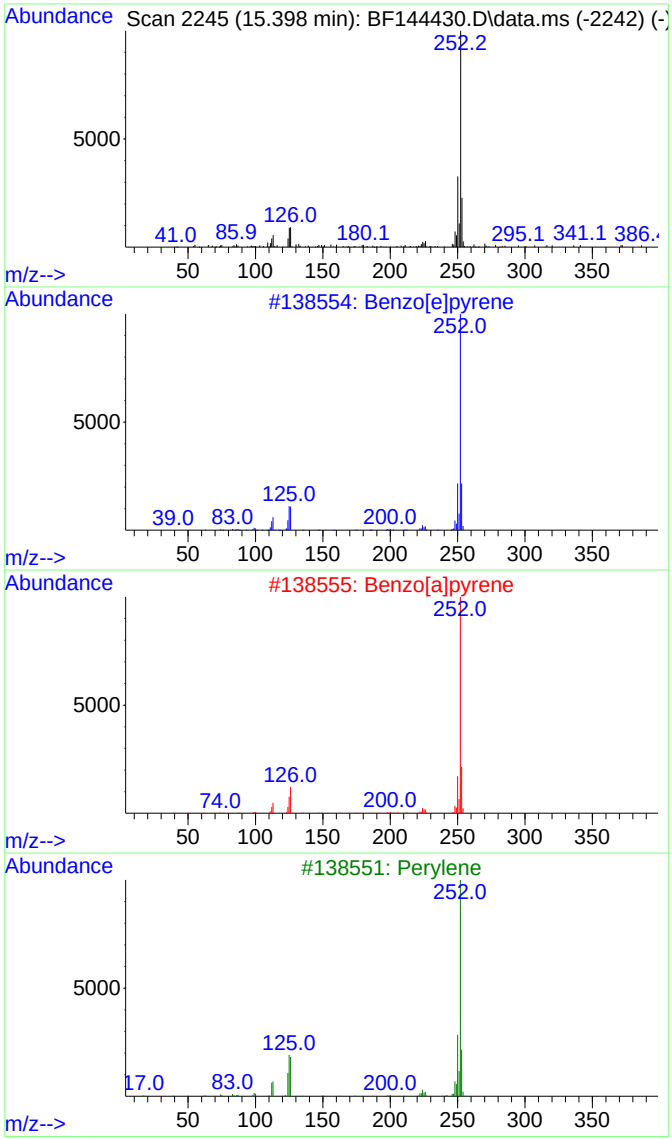
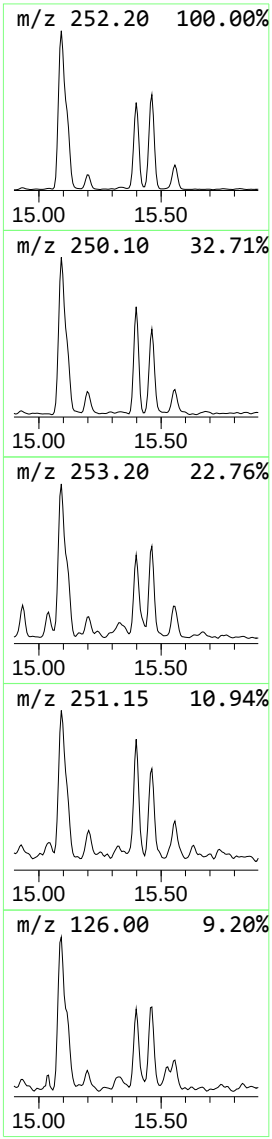
Peak Number 12 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.398	4.00 ng	74864	Perylene-d12	15.527

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benzo[a]pyrene	252	C20H12	000050-32-8	90
3	Perylene	252	C20H12	000198-55-0	90
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120425\
Data File : BF144430.D
Acq On : 04 Dec 2025 15:08
Operator : RC/JU
Sample : Q3767-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
346

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.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
(1R)-2,6,6-Trim...	6.140	26.9	ng	369609	1	6.863	274704	20.0
Bicyclo[2.2.1]h...	6.292	6.0	ng	82851	1	6.863	274704	20.0
o-Cymene	6.934	13.2	ng	181090	1	6.863	274704	20.0
Benzophenone	10.616	5.3	ng	78979	3	9.898	297642	20.0
n-Hexadecanoic ...	11.910	12.4	ng	198866	4	11.392	321817	20.0
Octadecanoic acid	12.698	5.3	ng	85476	4	11.392	321817	20.0
.delta.8(14)-Is...	13.521	2.8	ng	180388	5	14.039	1279870	20.0
Dehydroabietic ...	13.839	9.3	ng	593303	5	14.039	1279870	20.0
Benzo[e]pyrene	15.398	4.0	ng	74864	6	15.527	374039	20.0