LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144091.D
Acq On : 27 Oct 2025 19:02
Operator : RC/JU
Sample : Q3447-05 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW3-251023-01

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: BF144091.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.416	25	38	49	rBV	26606	105980	8.47%	0.869%
2	5.493	556	561	576	rBV	167863	239140	19.11%	1.961%
3	6.504	728	733	746	rBV	150342	233232	18.63%	1.912%
4	6.875	791	796	806	rBV	232015	298819	23.87%	2.450%
5	7.439	886	892	904	rBV	95286	141921	11.34%	1.163%
6	8.163	1009	1015	1031	rBV	270227	363615	29.05%	2.981%
7	9.233	1192	1197	1208	rBV	239841	304883	24.36%	2.499%
8	9.916	1308	1313	1323	rBV	336841	431121	34.44%	3.534%
9	10.710	1443	1448	1459	rBV	113791	158817	12.69%	1.302%
10	11.186	1525	1529	1535	rBV7	9894	13214	1.06%	0.108%
11	11.363	1551	1559	1562	rBV4	11355	23929	1.91%	0.196%
12	11.410	1562	1567	1575	rVV	324034	438730	35.05%	3.597%
13	11.557	1582	1592	1596	rBV6	15587	29063	2.32%	0.238%
14	11.627	1600	1604	1607	rBV2	19896	28662	2.29%	0.235%
15	11.669	1607	1611	1614	rVV6	17053	29176	2.33%	0.239%
16	11.698	1614	1616	1620	rVB3	12842	16844	1.35%	0.138%
17	11.798	1626	1633	1637	rBV	71266	108978	8.71%	0.893%
18	11.833	1637	1639	1646	rVV8	18395	30769	2.46%	0.252%
19	11.898	1646	1650	1654	rVV3	35540	53093	4.24%	0.435%
20	11.957	1654	1660	1662	rVV5	33243	72763	5.81%	0.597%
21	11.992	1662	1666	1670	rVV3	115207	204613	16.35%	1.677%
22	12.039	1670	1674	1679	rVV2	85601	178685	14.28%	1.465%
23	12.104	1679	1685	1690	rVV3	137333	273785	21.87%	2.245%
24	12.157	1690	1694	1695	rVV	97971	142640	11.40%	1.169%
25	12.192	1695	1700	1706	rVV2	407338	684997	54.73%	5.616%
26	12.263	1706	1712	1718	rVV5	76512	171051	13.67%	1.402%
27	12.357	1721	1728	1733	rVV	544764	750867	59.99%	6.156%
28	12.433	1736	1741	1746	rVV	257262	382519	30.56%	3.136%
29	12.521	1746	1756	1761	rVV3	167883	340672	27.22%	2.793%
30	12.586	1763	1767	1771	rVV2	31655	48346	3.86%	0.396%
31	12.663	1771	1780	1786	rVV	353849	494132	39.48%	4.051%
32	12.716	1786	1789	1794	rVV	98855	136491	10.90%	1.119%
33	12.786	1797	1801	1808	rVV	69448	103044	8.23%	0.845%
34	12.857	1810	1813	1816	rVV2	19813	31515	2.52%	0.258%
35	12.916	1819	1823	1827	rVB	74148	97585	7.80%	0.800%
36	12.963	1827	1831	1834	rBV	260411	368254	29.42%	3.019%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144091.D
Acq On : 27 Oct 2025 19:02
Operator : RC/JU
Sample : Q3447-05 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW3-251023-01

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	12.992	1834	1836	1848	rVB	225697	304461	24.32%	2.496%
38	13.104	1850	1855	1856	rBV2	80484	94476	7.55%	0.775%
39	13.139	1856	1861	1866	rVV	910848	1251697	100.00%	10.262%
40	13.192	1866	1870	1874	rVB6	20959	33887	2.71%	0.278%
41	13.280	1881	1885	1892	rVB3	43815	79266	6.33%	0.650%
42	13.380	1892	1902	1905	rBV5	48836	114828	9.17%	0.941%
43	13.463	1912	1916	1919	rBV2	62226	89228	7.13%	0.732%
44	13.498	1919	1922	1926	rVB	133553	172170	13.75%	1.411%
45	13.539	1926	1929	1931	rBV2	19681	23987	1.92%	0.197%
46	13.604	1938	1940	1947	rVB2	27169	36994	2.96%	0.303%
47	13.698	1952	1956	1959	rBV2	36171	50942	4.07%	0.418%
48	13.763	1959	1967	1971	rBV8	59487	123056	9.83%	1.009%
49	13.857	1977	1983	2000	rVB	466515	809084	64.64%	6.633%
50	14.057	2009	2017	2029	rVB	332949	794414	63.47%	6.513%
51	14.521	2093	2096	2101	rBV5	9713	17794	1.42%	0.146%
52	14.827	2145	2148	2153	rVB3	15498	22864	1.83%	0.187%
53	15.168	2203	2206	2214	rVB3	18080	29197	2.33%	0.239%
54	15.415	2245	2248	2253	rVB	15977	23858	1.91%	0.196%
55	15.474	2256	2258	2262	rVV2	14351	18029	1.44%	0.148%
56	15.539	2264	2269	2283	rVB	269686	479586	38.31%	3.932%
57	16.521	2432	2436	2445	rVB2	25428	51188	4.09%	0.420%
58	17.127	2534	2539	2552	rVB4	18122	44869	3.58%	0.368%

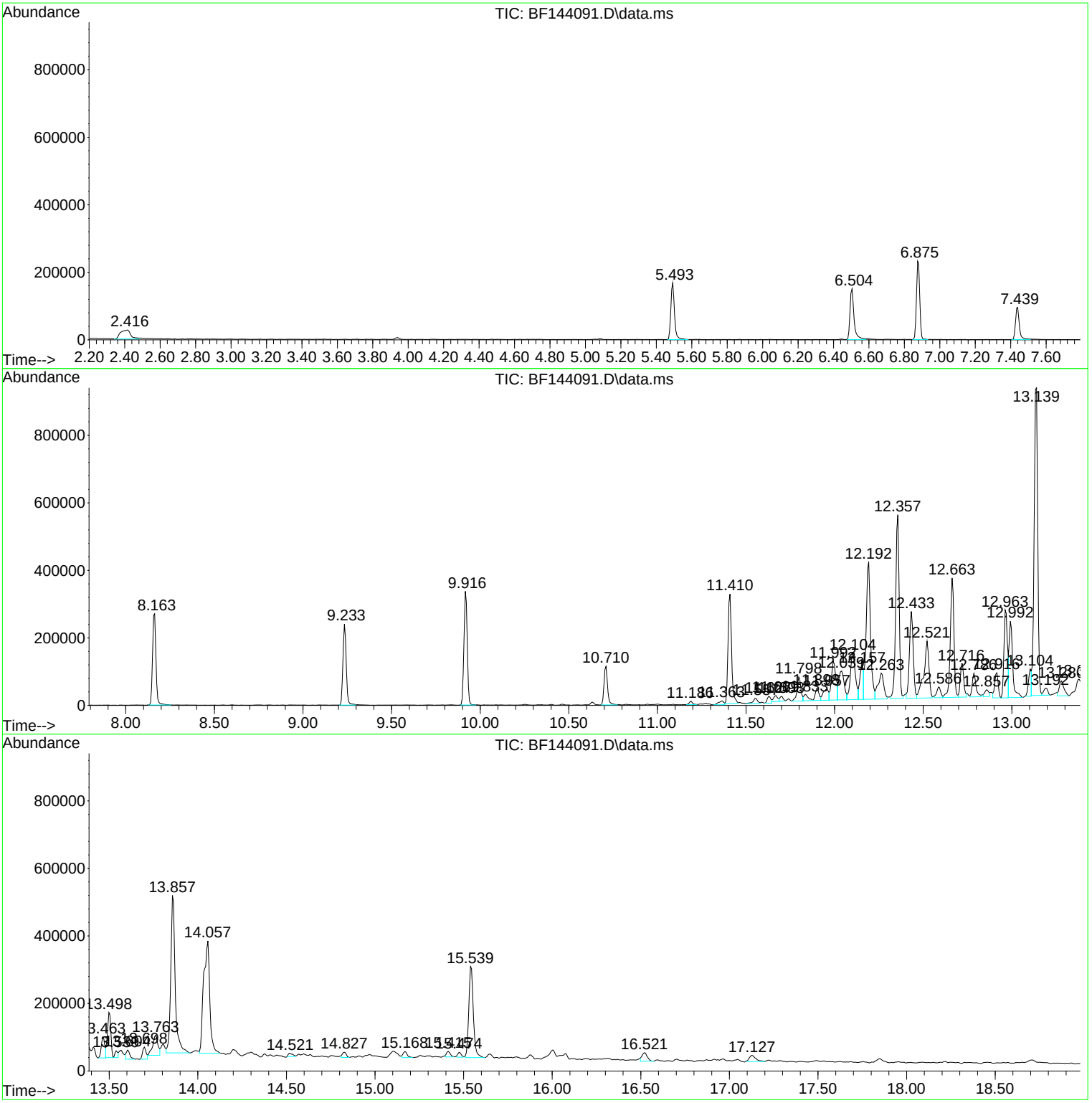
Sum of corrected areas: 12197820

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144091.D
Acq On : 27 Oct 2025 19:02
Operator : RC/JU
Sample : Q3447-05 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW3-251023-01

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\BF102725\
Data File : BF144091.D
Acq On : 27 Oct 2025 19:02
Operator : RC/JU
Sample : Q3447-05 5X
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Instrument :
BNA_F
ClientSampleId :
P001-TW3-251023-01

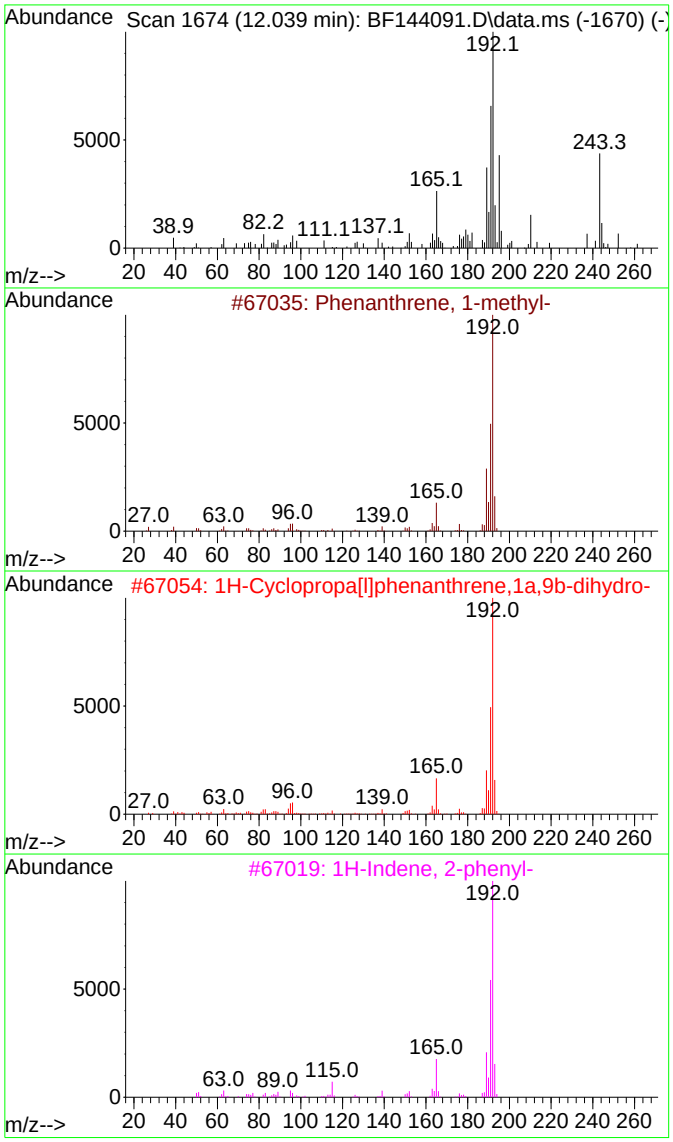
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

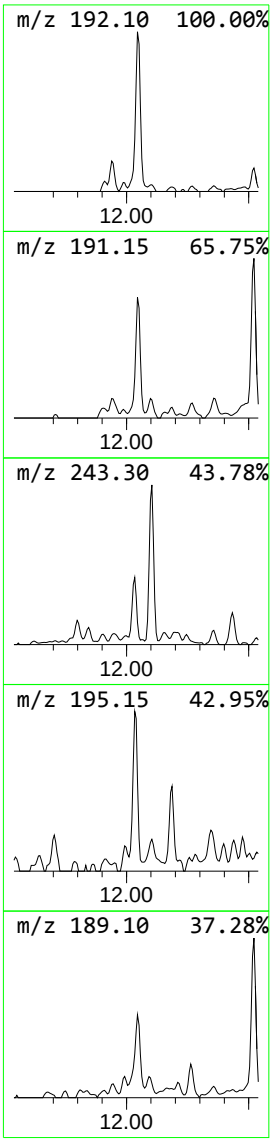
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.039	8.15 ng	178685	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	86
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	70
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	55
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	55
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	55





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144091.D
Acq On : 27 Oct 2025 19:02
Operator : RC/JU
Sample : Q3447-05 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW3-251023-01

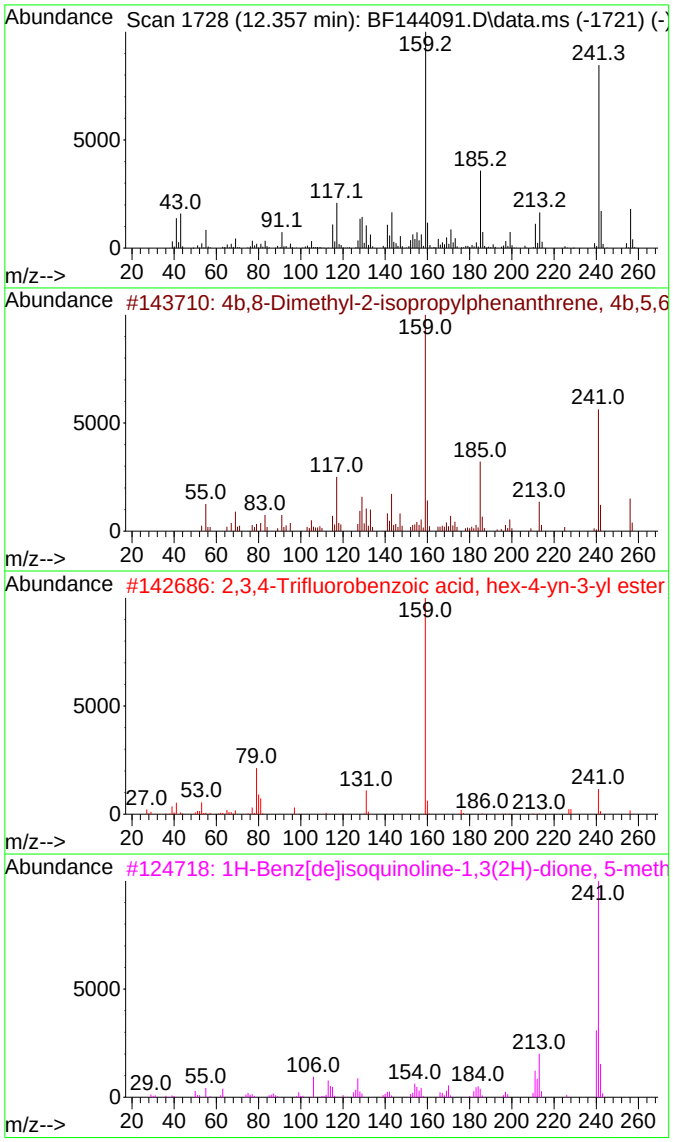
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

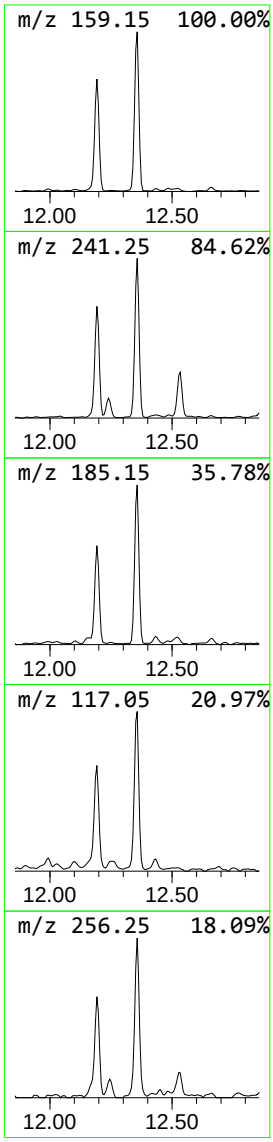
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 4b,8-Dimethyl-2-isopropylph... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.357	34.23 ng	750867	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	90
2	2,3,4-Trifluorobenzoic acid, hex...	256	C13H11F3O2	1000292-55-4	59
3	1H-Benz[de]isoquinoline-1,3(2H)-...	241	C14H11NO3	055133-82-9	35
4	Benzene, 1,1'-(1-methylethyliden...	256	C17H20O2	001568-83-8	30
5	Isoxazole, 5-methyl-4-phenyl-	159	C10H9NO	023253-49-8	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144091.D
Acq On : 27 Oct 2025 19:02
Operator : RC/JU
Sample : Q3447-05 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW3-251023-01

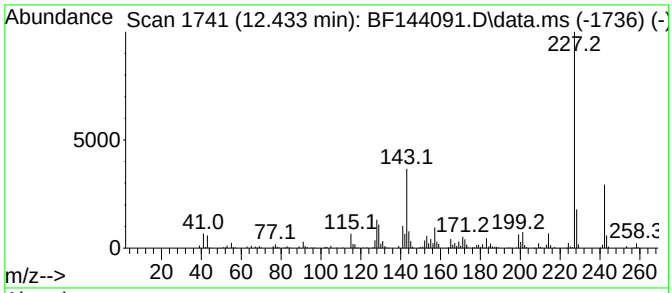
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

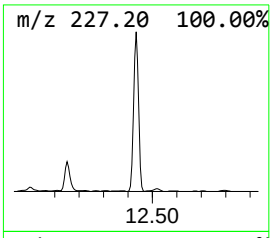
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

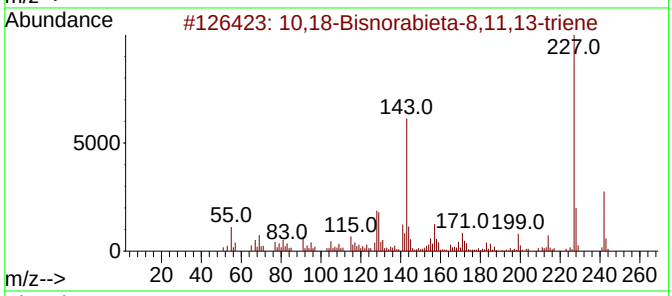
****
Peak Number 11 10,18-Bisnorabieta-8,11,13-... Concentration Rank 6

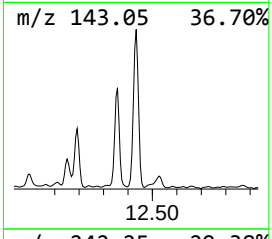
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.433	17.44 ng	382519	Phenanthrene-d10	11.410

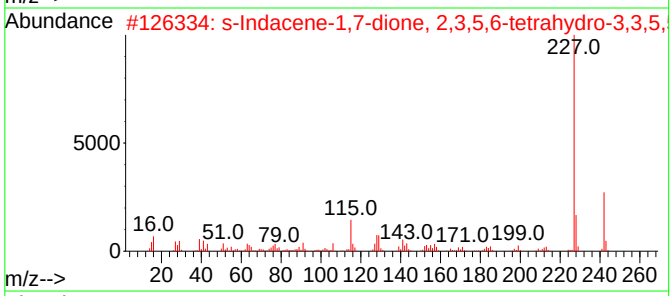
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-8,11,13-triene	242	C18H26	032624-67-2	95
2	s-Indacene-1,7-dione, 2,3,5,6-te...	242	C16H18O2	055591-17-8	81
3	5-Methoxy-2-methyl-4-oxo-1,2,3,4...	242	C14H14N2O2	1000227-06-0	53
4	1,4-Naphthalenedione, 2-hydroxy-...	242	C15H14O3	004042-39-1	52
5	7-Diethylamino-2-oxo-2H-chromene...	242	C14H14N2O2	332411-59-3	52

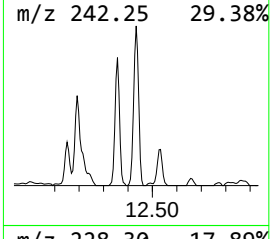


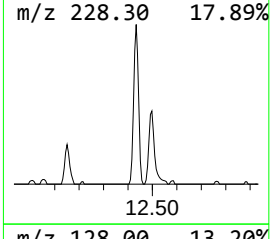


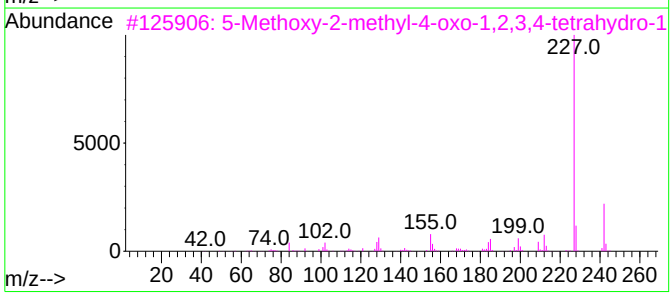


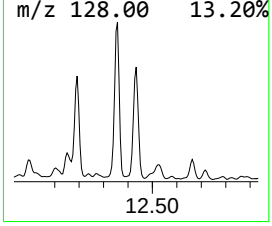












Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144091.D
Acq On : 27 Oct 2025 19:02
Operator : RC/JU
Sample : Q3447-05 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW3-251023-01

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

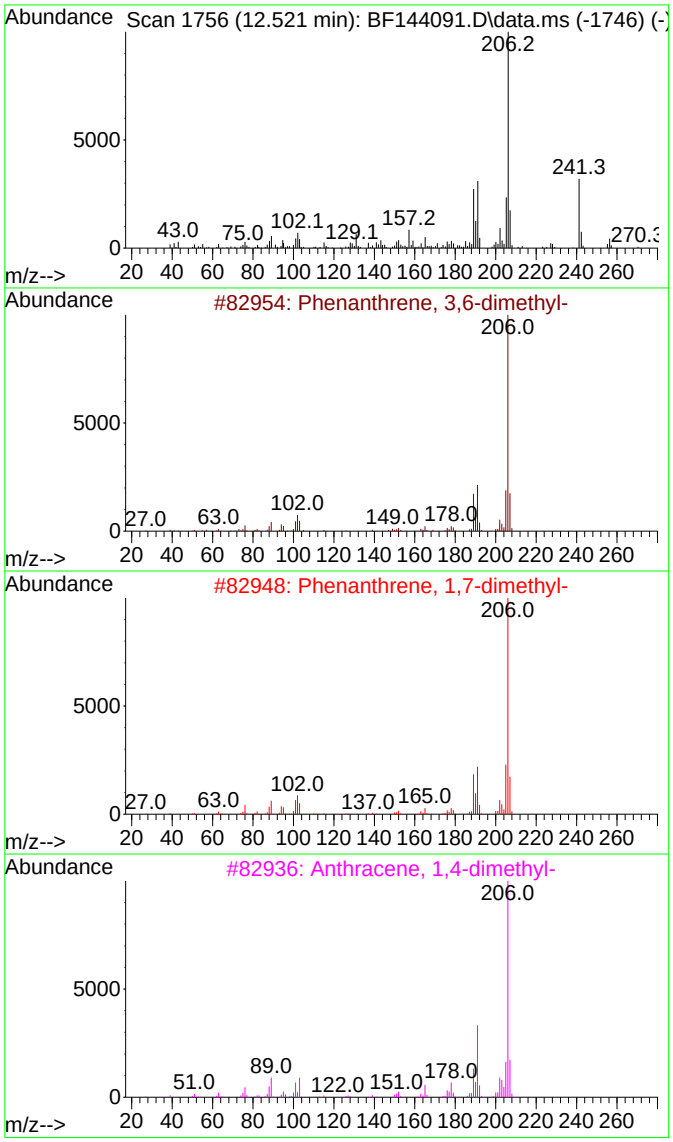
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

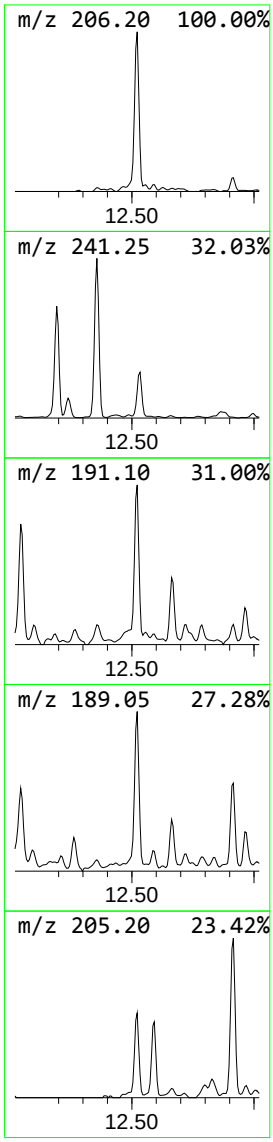
****

Peak Number 12 Phenanthrene, 3,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.522	15.53 ng	340672	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	96
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	95
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	70
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	70
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144091.D
Acq On : 27 Oct 2025 19:02
Operator : RC/JU
Sample : Q3447-05 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW3-251023-01

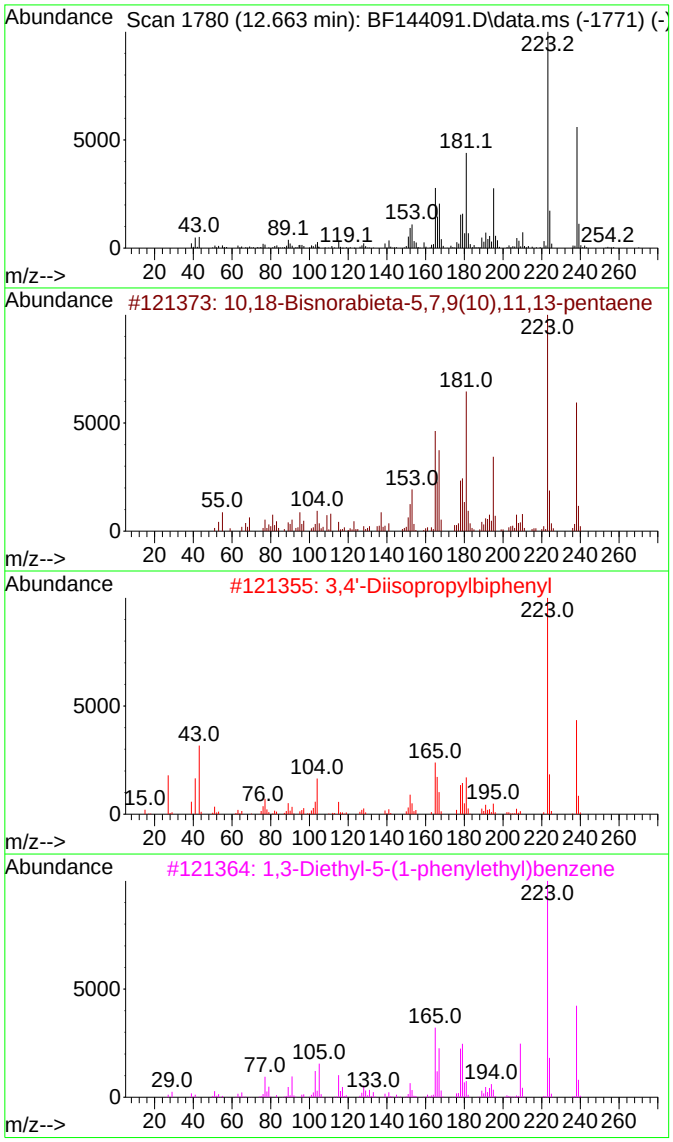
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

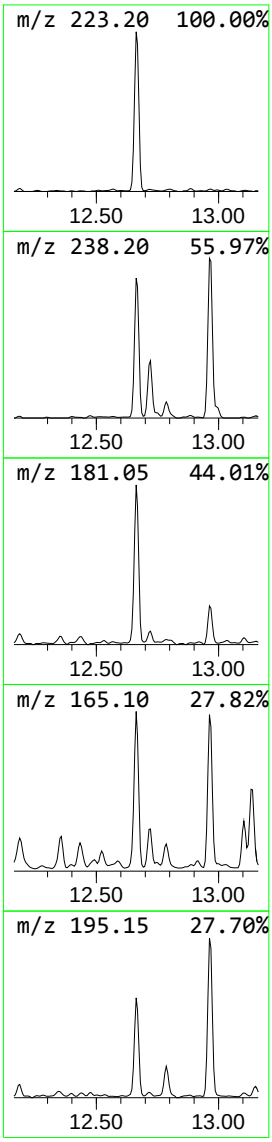
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.663	22.53 ng	494132	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	99
2	3,4'-Diisopropylbiphenyl	238	C18H22	061434-46-6	70
3	1,3-Diethyl-5-(1-phenylethyl)ben...	238	C18H22	1000482-32-6	62
4	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	60
5	2-Propenoic acid, 3-(3,4,5-trime...	238	C12H14O5	000090-50-6	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144091.D
Acq On : 27 Oct 2025 19:02
Operator : RC/JU
Sample : Q3447-05 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW3-251023-01

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

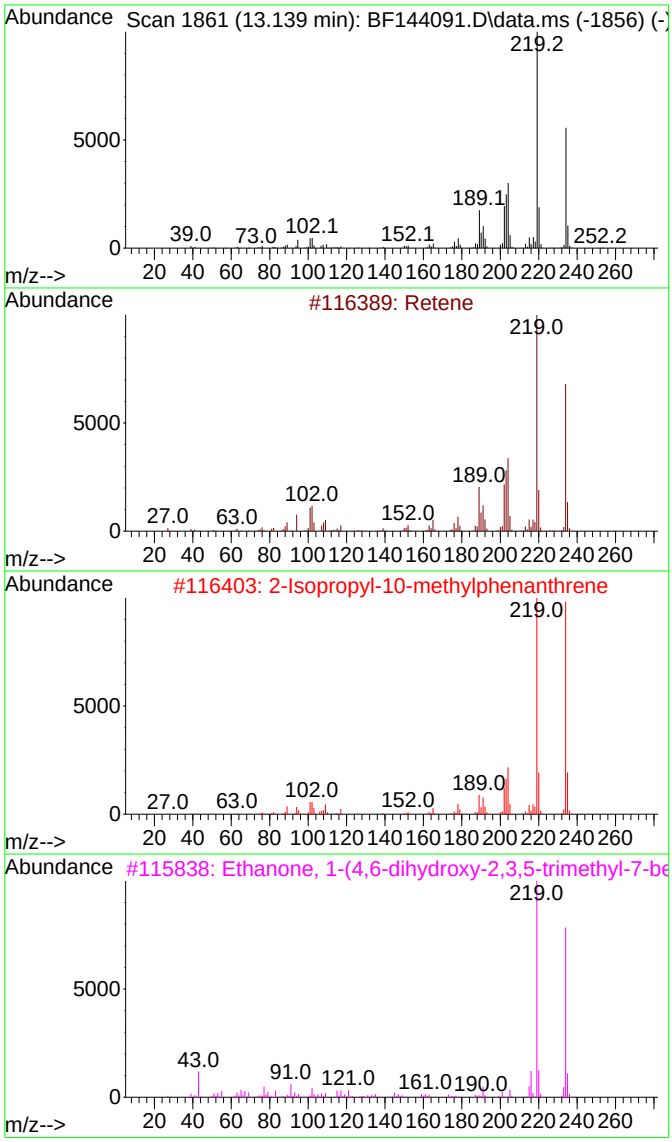
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

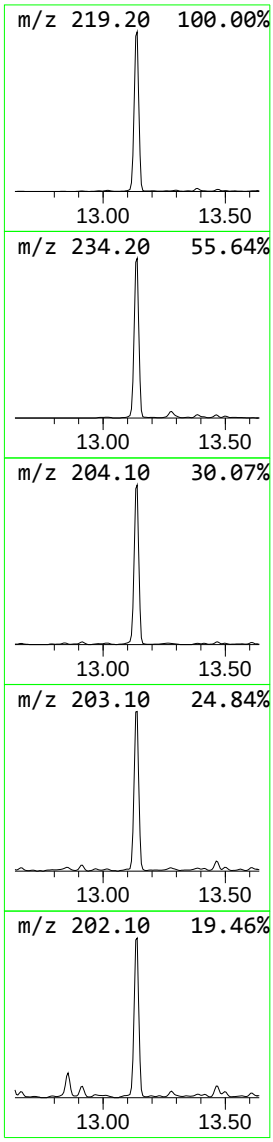
****

Peak Number 16 Retene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.139	31.51 ng	1251700	Chrysene-d12	14.057

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	95
3	Ethanone, 1-(4,6-dihydroxy-2,3,5...	234	C13H14O4	021987-07-5	64
4	Phenanthrene, 2,4,5,7-tetramethyl-	234	C18H18	007396-38-5	53
5	Benzene, 1,3-bis(1,1-dimethyleth...	234	C16H26O	001518-53-2	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144091.D
Acq On : 27 Oct 2025 19:02
Operator : RC/JU
Sample : Q3447-05 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW3-251023-01

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

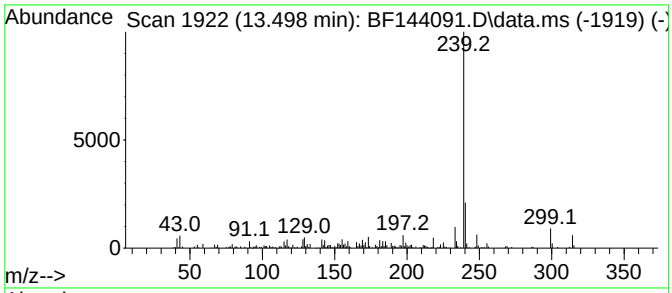
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

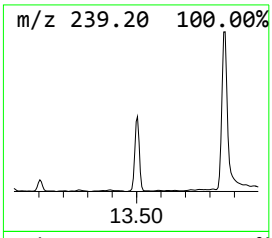
****

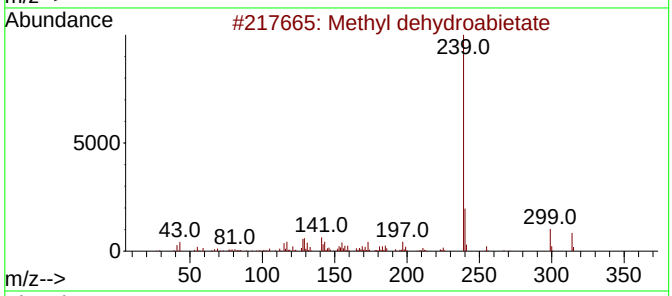
Peak Number 18 Methyl dehydroabietate Concentration Rank 16

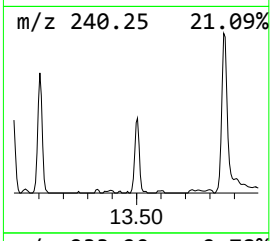
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.498	4.33 ng	172170	Chrysene-d12	14.057

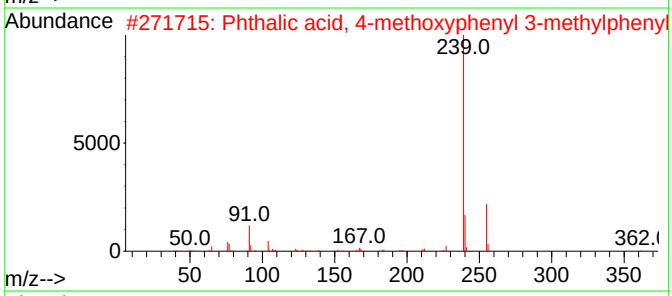
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl dehydroabietate	314	C21H30O2	001235-74-1	94
2	Phthalic acid, 4-methoxyphenyl 3...	362	C22H18O5	1000315-68-0	53
3	9,10-Anthracenedione, 1-amino-4-...	239	C14H9NO3	000116-85-8	42
4	1-Amino-4-hydroxyanthraquinone, ...	323	C18H13NO5	052062-64-3	42
5	Benzaldehyde, 3-[4-(1,1-dimethyl...	254	C17H18O2	069770-23-6	42

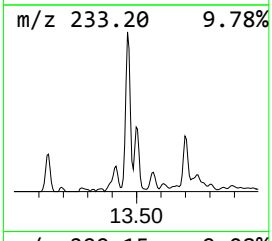


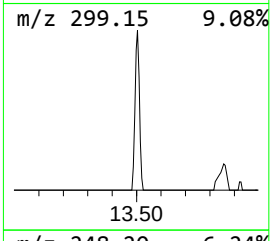


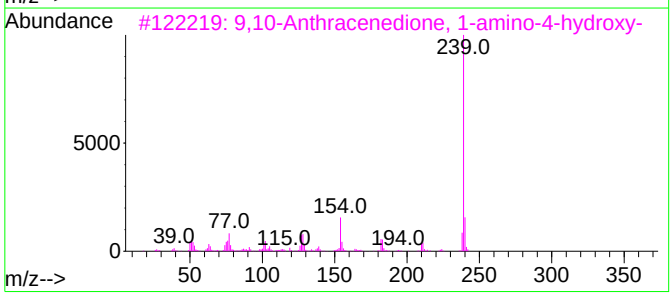


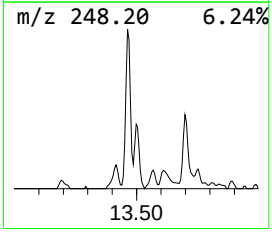












Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144091.D
Acq On : 27 Oct 2025 19:02
Operator : RC/JU
Sample : Q3447-05 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW3-251023-01

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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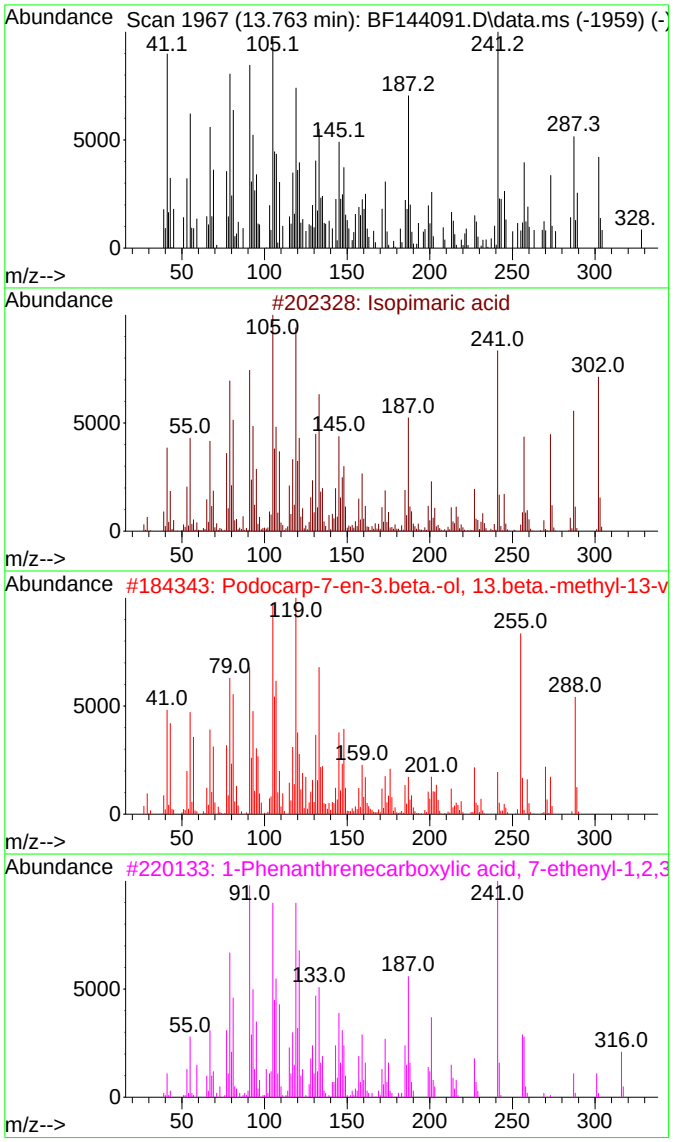
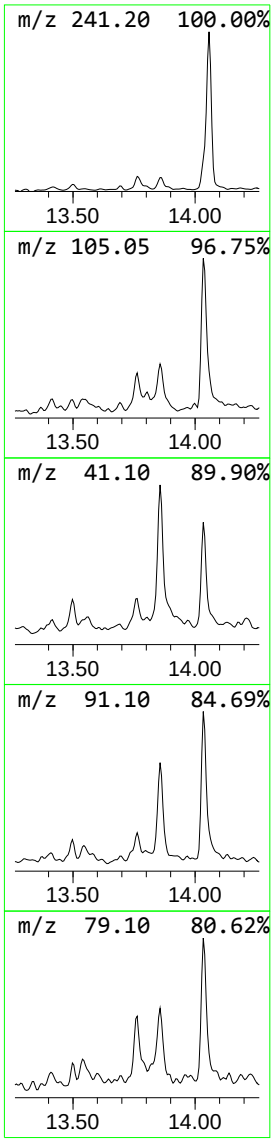
Peak Number 19 Isopimaric acid Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.763	3.10 ng	123056	Chrysene-d12	14.057

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopimaric acid	302	C20H30O2	005835-26-7	93
2	Podocarp-7-en-3.beta.-ol, 13.bet...	288	C20H32O	004752-56-1	55
3	1-Phenanthrenecarboxylic acid, 7...	316	C21H32O2	001686-62-0	49
4	Kauren-19-oic acid	302	C20H30O2	006730-83-2	38
5	2-Cyano-N-(4-(2,6-dimethyl-4-mor...	273	C15H19N3O2	329700-29-0	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144091.D
Acq On : 27 Oct 2025 19:02
Operator : RC/JU
Sample : Q3447-05 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW3-251023-01

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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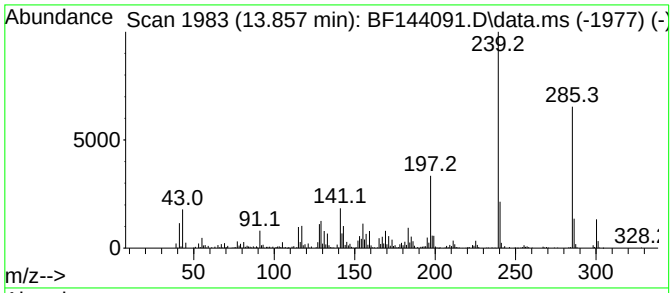
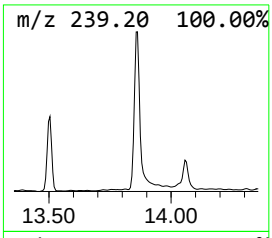
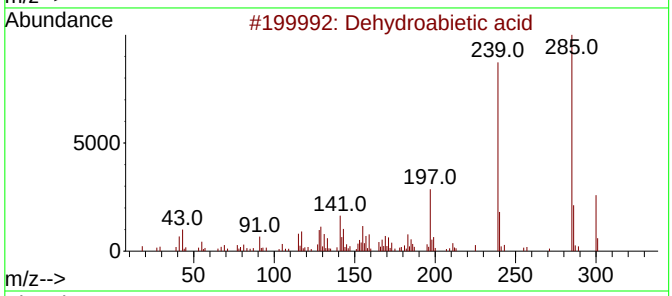
Peak Number 20 Dehydroabietic acid Concentration Rank 5

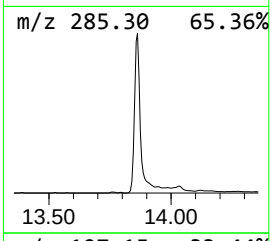
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.857	20.37 ng	809084	Chrysene-d12	14.057

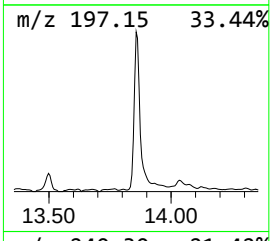
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dehydroabietic acid	300	C20H28O2	001740-19-8	99
2	1-Phenanthrenecarboxylic acid, 1...	300	C20H28O2	005155-70-4	98
3	Butanoic acid, 2-(cyano)(2,4,6-t...	300	C17H20N2O3	1000267-71-7	83
4	Ethyl 4-hydroxy-6-(trifluorometh...	285	C13H10F3NO3	026893-12-9	62
5	trans-1,2-Bis(methyldichlorosily...	252	C4H8Cl4Si2	065899-10-7	42

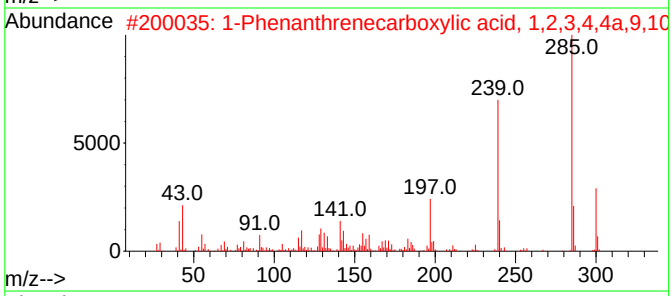


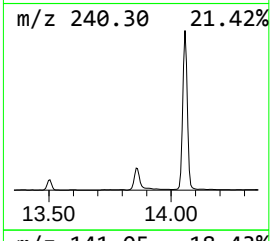


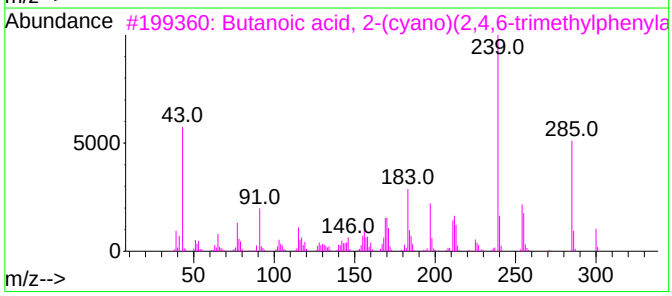


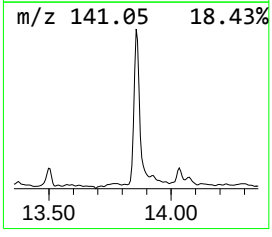












Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144091.D
Acq On : 27 Oct 2025 19:02
Operator : RC/JU
Sample : Q3447-05 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-TW3-251023-01

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
Phenanthrene, 1...	12.039	8.2	ng	178685	4	11.410	438730	20.0
4b,8-Dimethyl-2...	12.357	34.2	ng	750867	4	11.410	438730	20.0
10,18-Bisnorabi...	12.433	17.4	ng	382519	4	11.410	438730	20.0
Phenanthrene, 3...	12.522	15.5	ng	340672	4	11.410	438730	20.0
10,18-Bisnorabi...	12.663	22.5	ng	494132	4	11.410	438730	20.0
Retene	13.139	31.5	ng	1251700	5	14.057	794414	20.0
Methyl dehydroa...	13.498	4.3	ng	172170	5	14.057	794414	20.0
Isopimaric acid	13.763	3.1	ng	123056	5	14.057	794414	20.0
Dehydroabietic ...	13.857	20.4	ng	809084	5	14.057	794414	20.0