LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072525\
Data File : BF143253.D
Acq On : 25 Jul 2025 16:17
Operator : RC/JU
Sample : Q2689-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-07232025

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-BF071725.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143253.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.269	7	13	24	rVB	249824	401967	35.04%	3.255%
2	5.181	502	508	514	rBV	42929	57139	4.98%	0.463%
3	5.587	571	577	582	rBV	426721	541209	47.18%	4.382%
4	6.581	740	746	764	rVB	387864	503557	43.90%	4.077%
5	6.963	806	811	816	rBV	401069	496142	43.25%	4.017%
6	7.510	899	904	917	rBV	263817	330515	28.81%	2.676%
7	8.239	1023	1028	1036	rBV	440038	563135	49.09%	4.560%
8	9.051	1162	1166	1171	rVB	11020	12982	1.13%	0.105%
9	9.310	1205	1210	1217	rBV	415585	524387	45.71%	4.246%
10	9.651	1264	1268	1271	rBV	11536	15077	1.31%	0.122%
11	9.716	1276	1279	1285	rVB3	9296	12169	1.06%	0.099%
12	9.857	1298	1303	1308	rBV	44033	53823	4.69%	0.436%
13	9.998	1319	1327	1331	rBV	414759	527334	45.97%	4.270%
14	10.028	1331	1332	1341	rVB	19547	19021	1.66%	0.154%
15	10.198	1357	1361	1365	rBV	14939	18886	1.65%	0.153%
16	10.310	1376	1380	1383	rBV3	9241	13863	1.21%	0.112%
17	10.404	1391	1396	1401	rBV5	8857	17447	1.52%	0.141%
18	10.545	1413	1420	1425	rVB	23677	35548	3.10%	0.288%
19	10.704	1442	1447	1455	rVB	69839	88092	7.68%	0.713%
20	10.781	1455	1460	1465	rBV	236890	296848	25.88%	2.404%
21	10.910	1477	1482	1488	rBV3	13297	21002	1.83%	0.170%
22	11.092	1508	1513	1515	rBV3	12284	17985	1.57%	0.146%
23	11.122	1515	1518	1521	rVV2	10195	13078	1.14%	0.106%
24	11.245	1530	1539	1542	rBV6	9057	22898	2.00%	0.185%
25	11.286	1542	1546	1550	rVV	11972	19657	1.71%	0.159%
26	11.339	1550	1555	1558	rVV4	8289	17495	1.53%	0.142%
27	11.380	1558	1562	1568	rVB	21139	28467	2.48%	0.230%
28	11.480	1574	1579	1582	rBV	421069	605002	52.74%	4.899%
29	11.557	1588	1592	1596	rBV	48935	60158	5.24%	0.487%
30	11.710	1612	1618	1626	rBV	19503	42103	3.67%	0.341%
31	11.775	1626	1629	1632	rVV2	12693	18633	1.62%	0.151%
32	11.816	1632	1636	1641	rVB2	19044	25344	2.21%	0.205%
33	11.898	1647	1650	1653	rVB	12717	14767	1.29%	0.120%
34	12.010	1660	1669	1674	rVV2	112811	266549	23.24%	2.158%
35	12.057	1674	1677	1680	rVV	26637	40472	3.53%	0.328%
36	12.098	1680	1684	1692	rVB	104167	208755	18.20%	1.690%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072525\
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Acq On : 25 Jul 2025 16:17
Operator : RC/JU
Sample : Q2689-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-07232025

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-BF071725.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.280	1711	1715	1717	rBV	39280	53871	4.70%	0.436%
38	12.433	1735	1741	1743	rBV2	18804	32015	2.79%	0.259%
39	12.463	1743	1746	1748	rBV	18662	21979	1.92%	0.178%
40	12.533	1754	1758	1761	rBV	63868	88641	7.73%	0.718%
41	12.569	1761	1764	1770	rVV2	42898	82248	7.17%	0.666%
42	12.622	1770	1773	1778	rVV3	39210	58469	5.10%	0.473%
43	12.698	1781	1786	1791	rVV	543780	659940	57.53%	5.343%
44	12.745	1791	1794	1795	rVV	13686	15853	1.38%	0.128%
45	12.792	1799	1802	1805	rVV	22926	27285	2.38%	0.221%
46	12.851	1809	1812	1818	rVB2	23286	35164	3.07%	0.285%
47	12.927	1818	1825	1831	rBV	538013	778164	67.84%	6.301%
48	12.980	1831	1834	1838	rVB2	29794	42295	3.69%	0.342%
49	13.063	1841	1848	1856	rVB	484196	696109	60.69%	5.636%
50	13.145	1857	1862	1869	rBV5	61265	123713	10.79%	1.002%
51	13.204	1869	1872	1873	rBV2	13403	14516	1.27%	0.118%
52	13.251	1873	1880	1884	rVB2	91865	172010	15.00%	1.393%
53	13.322	1888	1892	1895	rVV	54406	65764	5.73%	0.532%
54	13.357	1895	1898	1906	rVB2	72718	104218	9.09%	0.844%
55	13.451	1911	1914	1917	rVV	43883	54453	4.75%	0.441%
56	13.480	1917	1919	1923	rVB	42608	51880	4.52%	0.420%
57	13.763	1964	1967	1972	rVB	52831	74996	6.54%	0.607%
58	13.874	1982	1986	1989	rBV3	59438	97841	8.53%	0.792%
59	13.969	1999	2002	2012	rVB3	62563	108445	9.45%	0.878%
60	14.127	2023	2029	2032	rBV2	692128	1147080	100.00%	9.288%
61	15.204	2207	2212	2221	rBV	241562	548361	47.80%	4.440%
62	15.521	2262	2266	2272	rVB	133075	201396	17.56%	1.631%
63	15.586	2272	2277	2282	rBV	175168	267976	23.36%	2.170%
64	15.651	2283	2288	2292	rBV	286724	453444	39.53%	3.672%
65	17.186	2545	2549	2560	rVB2	81092	172779	15.06%	1.399%
66	17.651	2624	2628	2643	rVB	65504	147933	12.90%	1.198%

Sum of corrected areas: 12350344

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072525\
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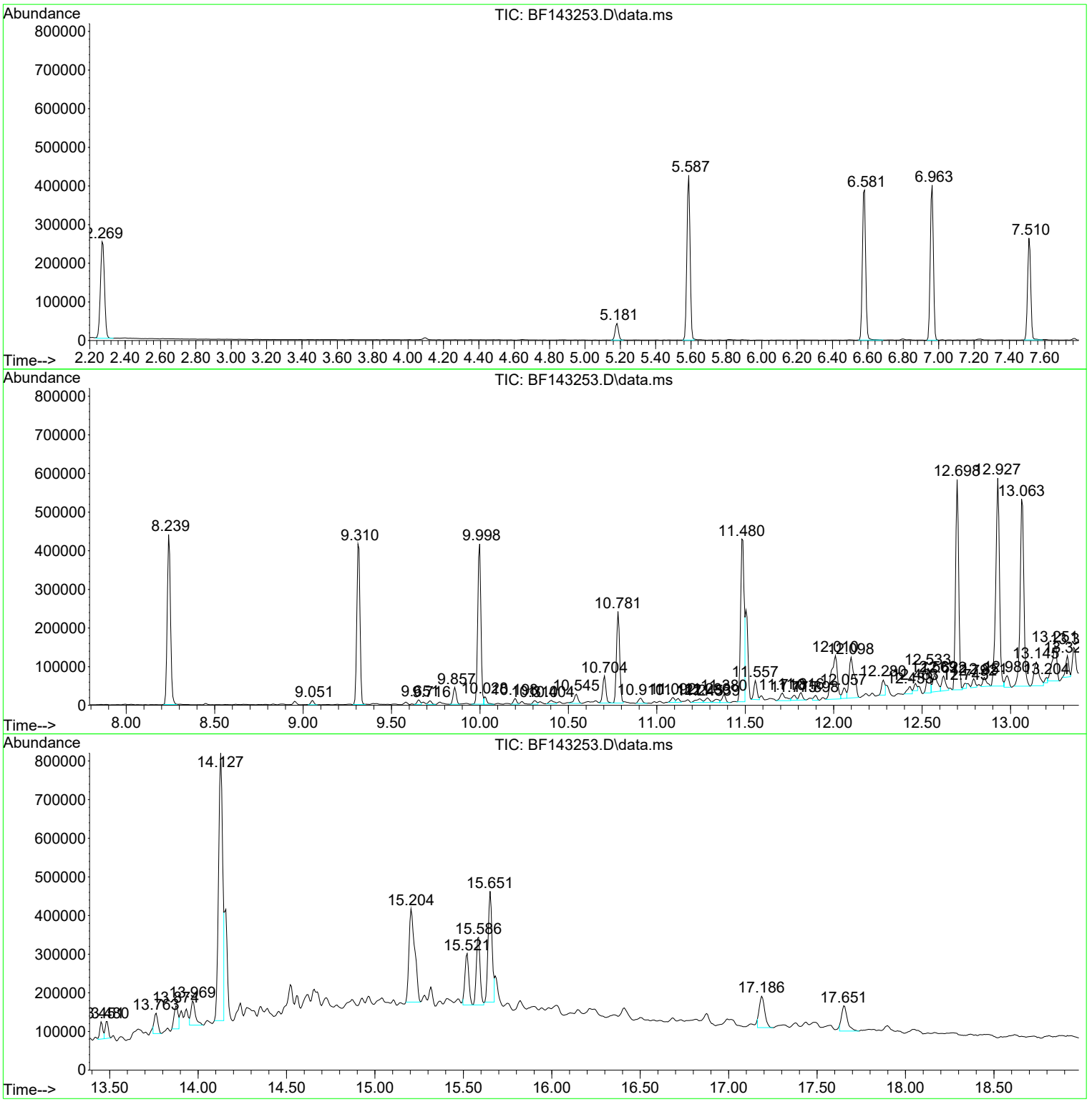
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-07232025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.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\BF072525\
Data File : BF143253.D
Acq On : 25 Jul 2025 16:17
Operator : RC/JU
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BNA_F
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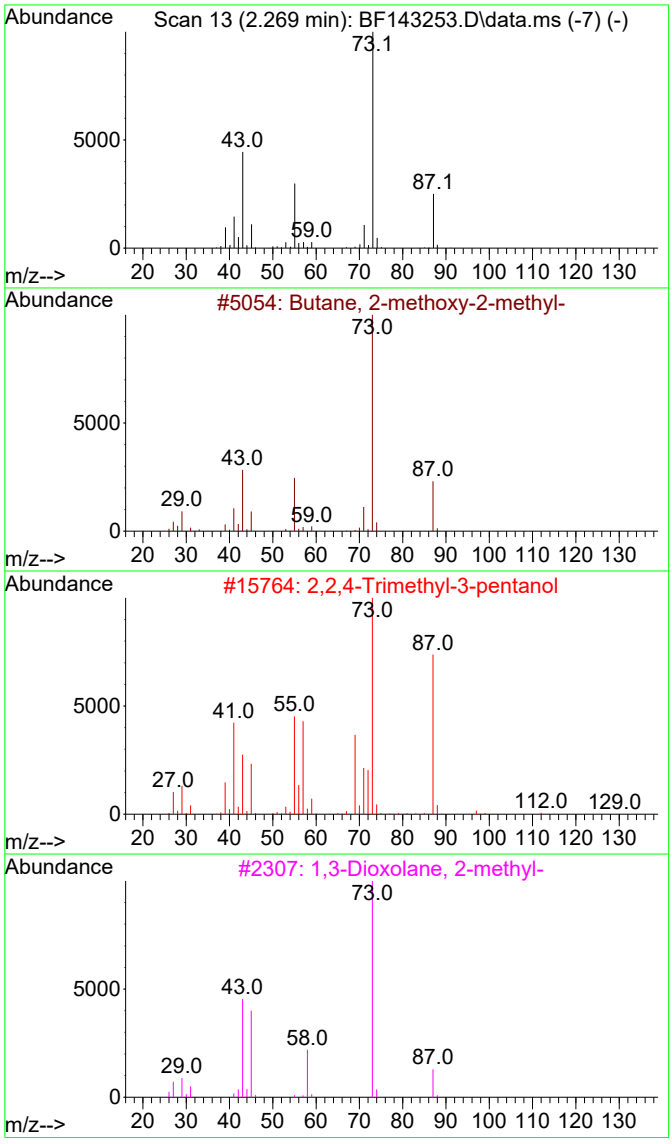
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

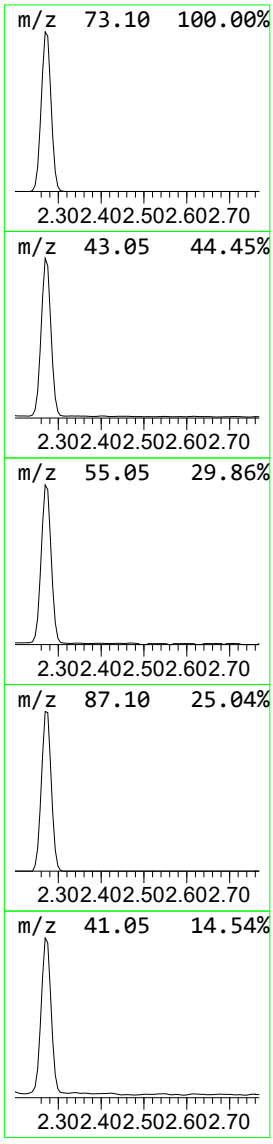
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.269	16.20 ng	401967	1,4-Dichlorobenzene-d4	6.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23
4	Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072525\
Data File : BF143253.D
Acq On : 25 Jul 2025 16:17
Operator : RC/JU
Sample : Q2689-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-07232025

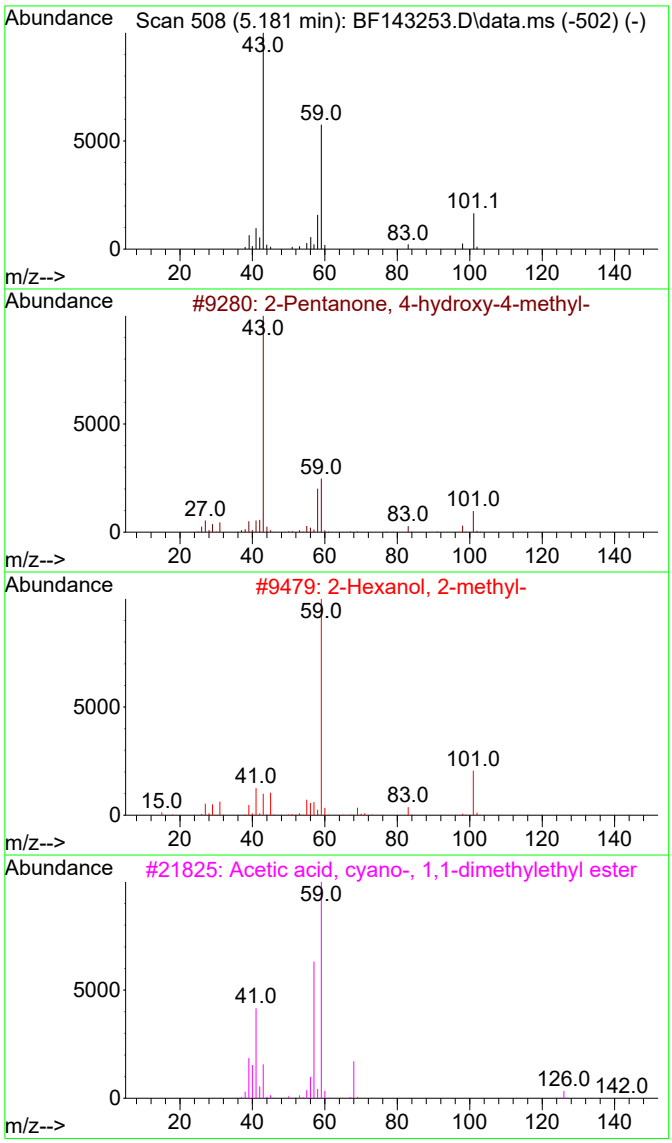
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

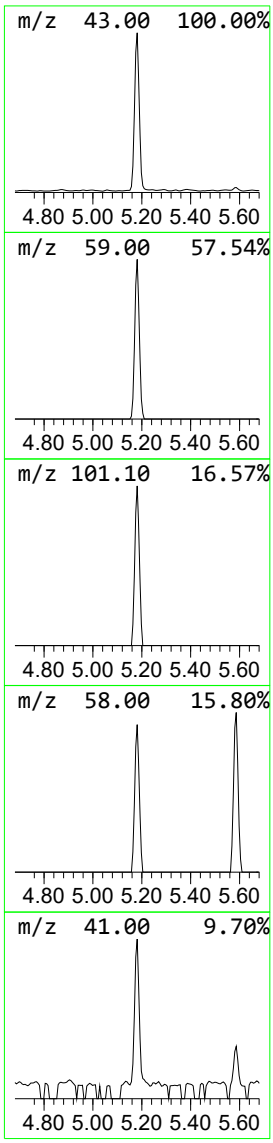
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.181	2.30 ng	57139	1,4-Dichlorobenzene-d4	6.963

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	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	Acetone	58	C3H6O	000067-64-1	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072525\
Data File : BF143253.D
Acq On : 25 Jul 2025 16:17
Operator : RC/JU
Sample : Q2689-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-07232025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

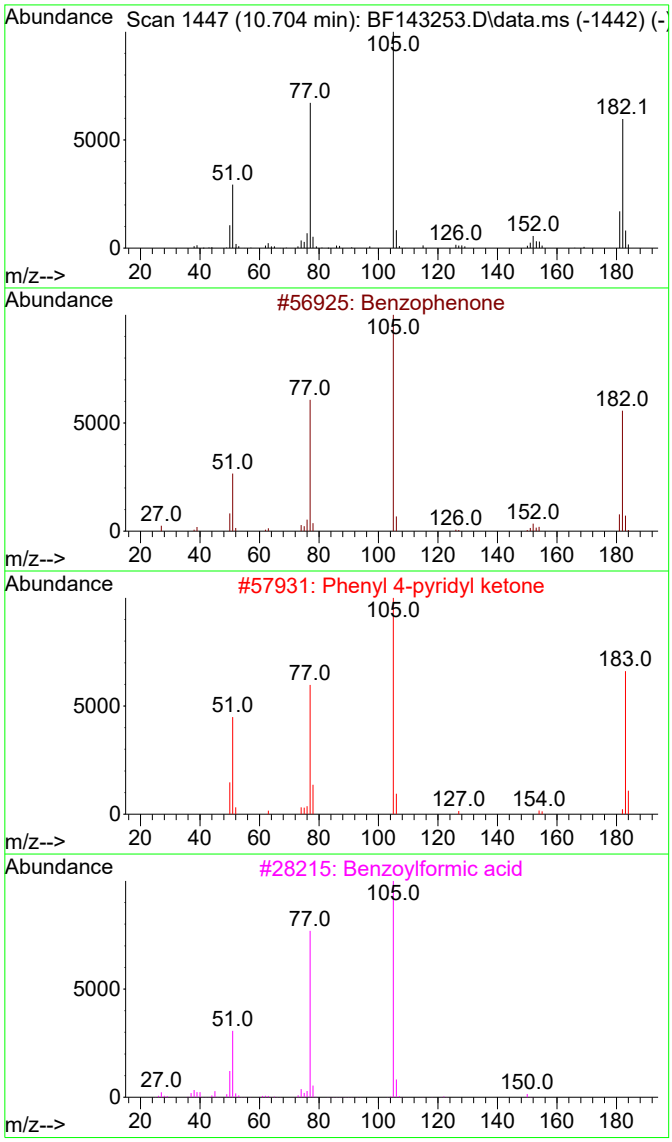
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

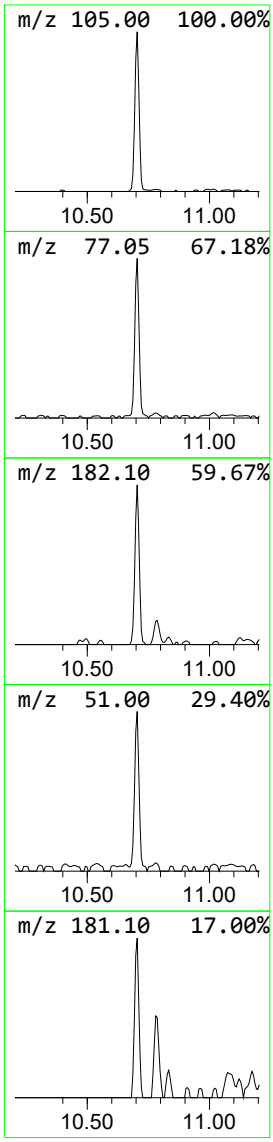
****

Peak Number 3 Benzophenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.704	3.34 ng	88092	Acenaphthene-d10	9.998

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	Benzoylformic acid	150	C8H6O3	000611-73-4	49
4	Vinyl benzoate	148	C9H8O2	000769-78-8	47
5	Benzeneacetic acid, .alpha.-oxo-...	164	C9H8O3	015206-55-0	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072525\
Data File : BF143253.D
Acq On : 25 Jul 2025 16:17
Operator : RC/JU
Sample : Q2689-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-07232025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

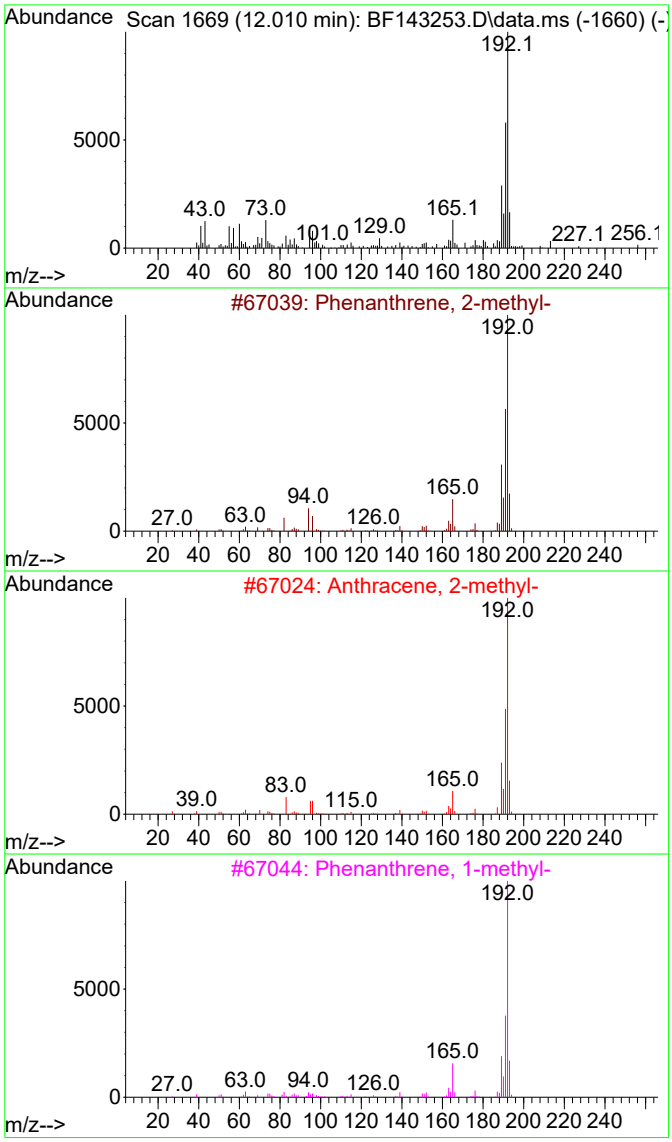
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

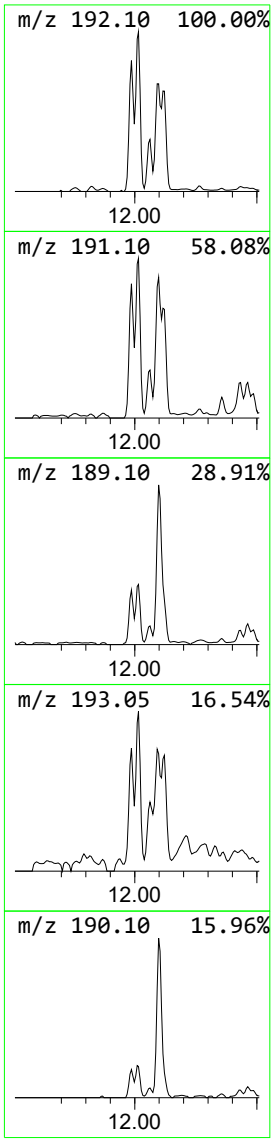
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.010	8.81 ng	266549	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90





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Data File : BF143253.D
Acq On : 25 Jul 2025 16:17
Operator : RC/JU
Sample : Q2689-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-07232025

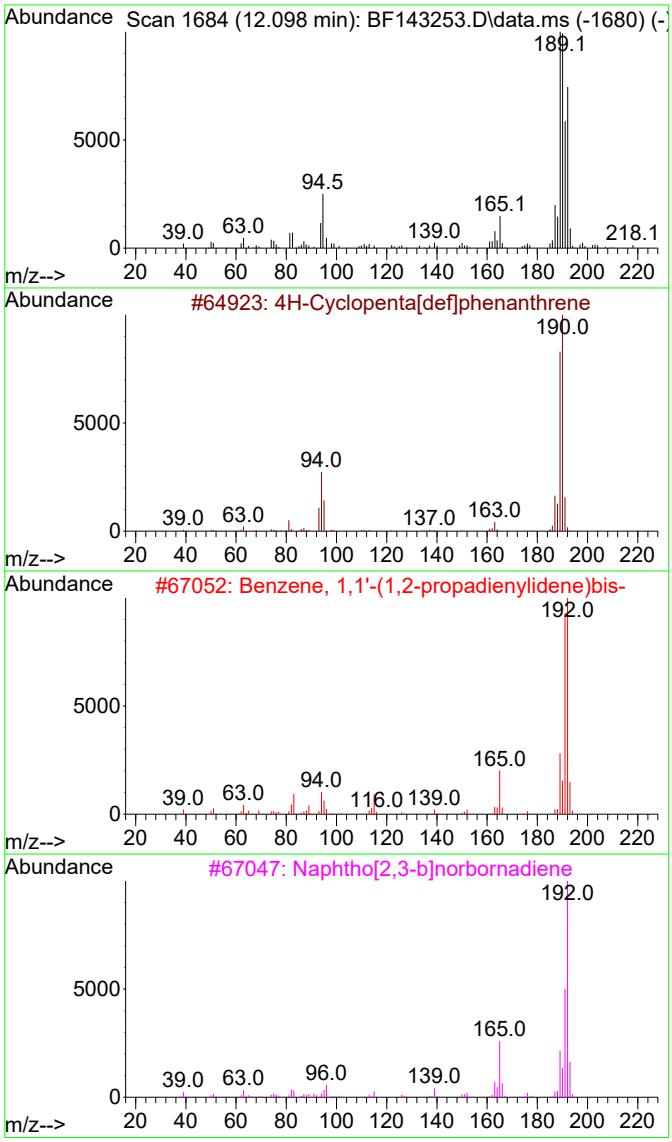
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

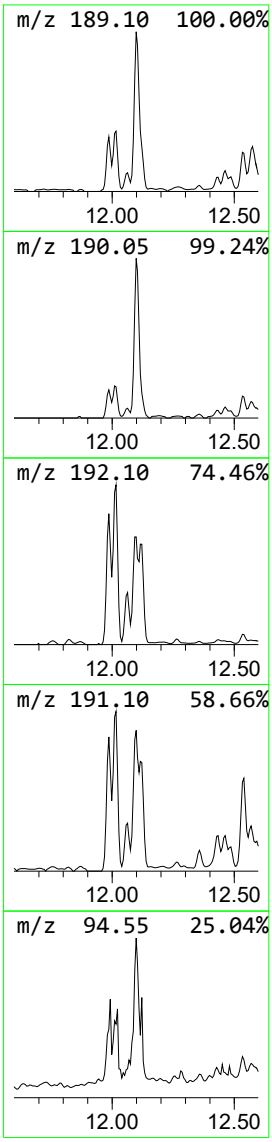
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.098	6.90 ng	208755	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	38
3	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	38
4	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	38
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	30





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Instrument :
BNA_F
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

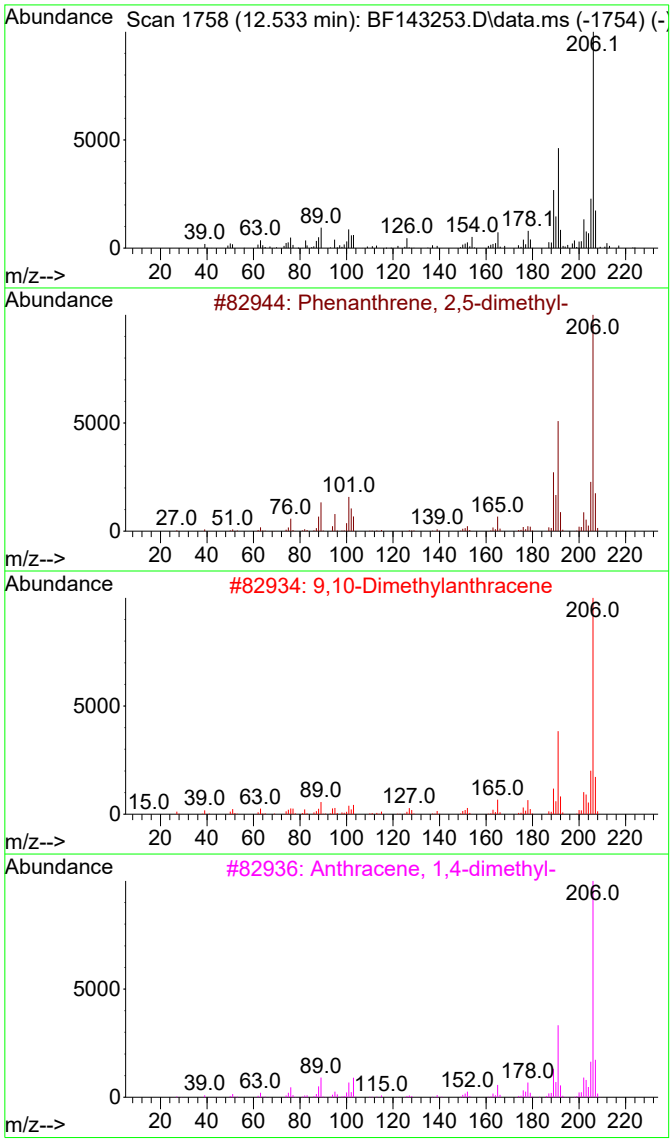
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

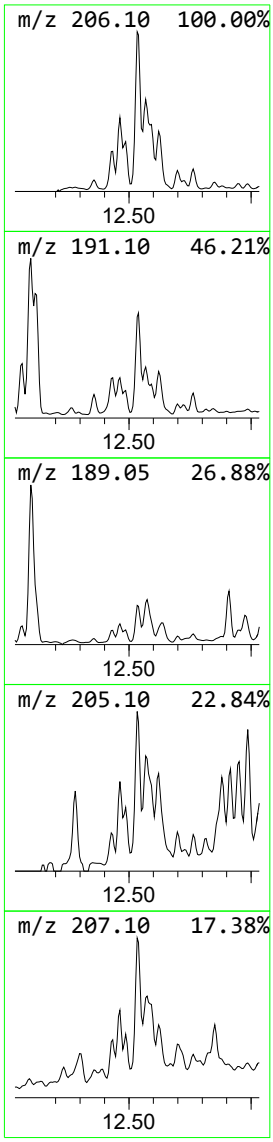
****

Peak Number 6 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.533	2.93 ng	88641	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072525\
Data File : BF143253.D
Acq On : 25 Jul 2025 16:17
Operator : RC/JU
Sample : Q2689-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-07232025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

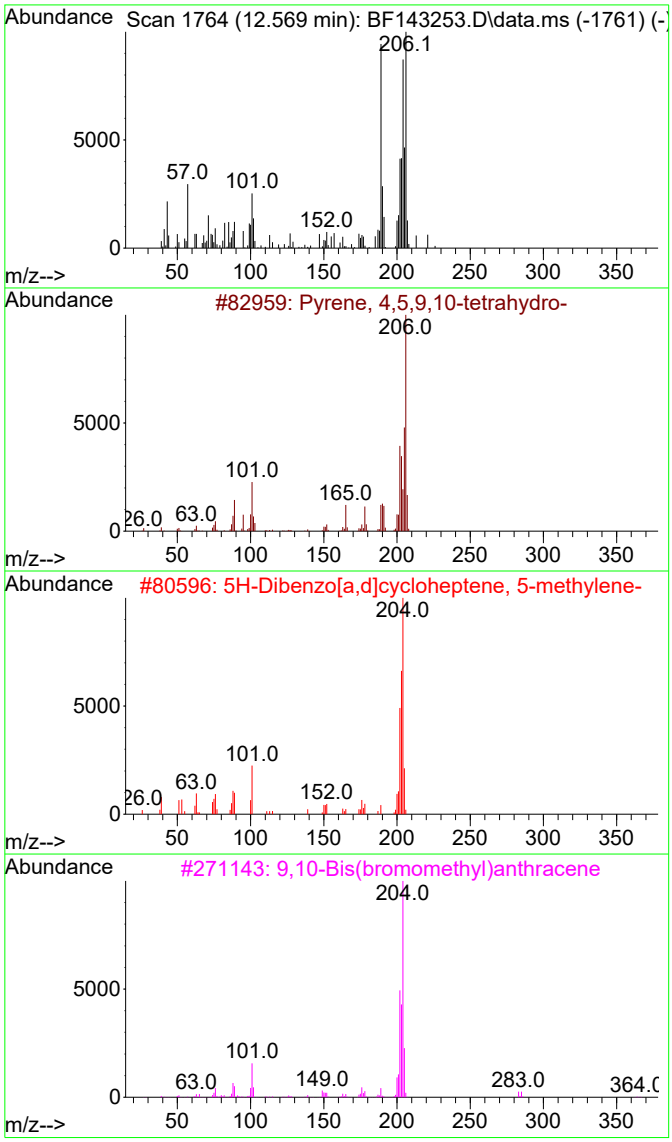
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

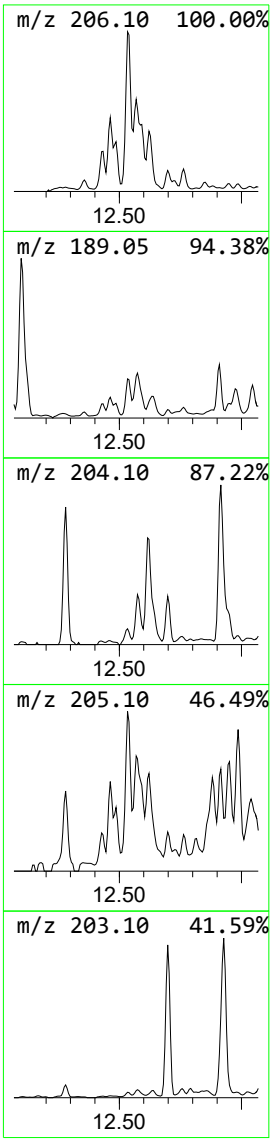
****

Peak Number 7 unknown12.569 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.569	2.72 ng	82248	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42
2	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	38
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	35
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	30
5	Isoquinoline, 1-phenyl-	205	C15H11N	003297-72-1	25





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Data File : BF143253.D
Acq On : 25 Jul 2025 16:17
Operator : RC/JU
Sample : Q2689-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-07232025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.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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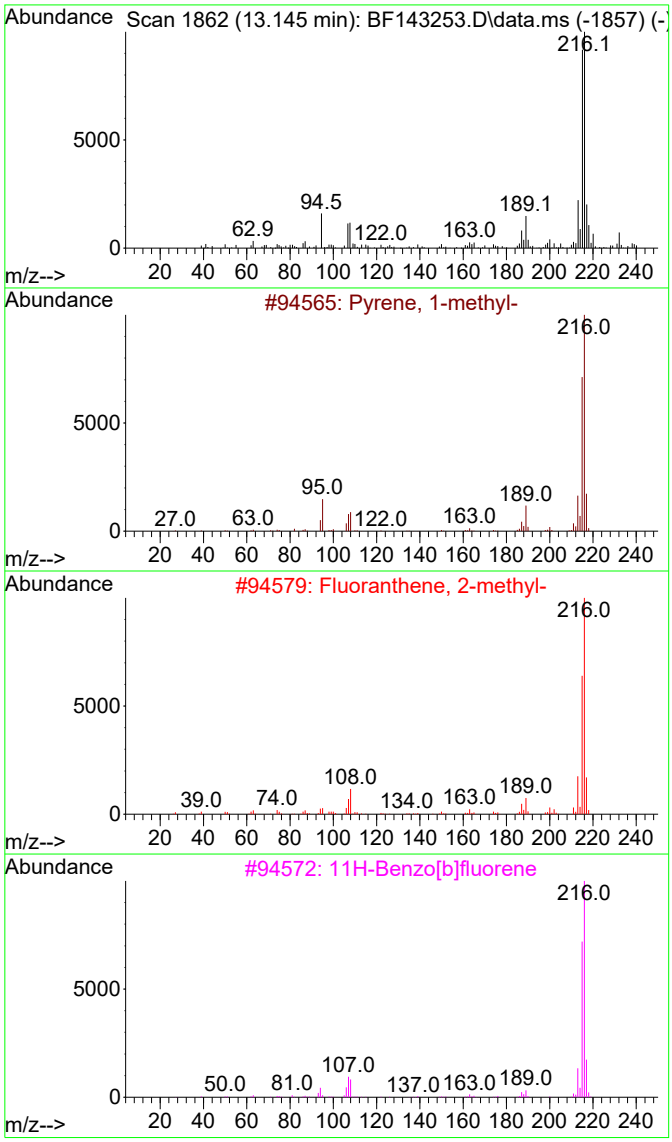
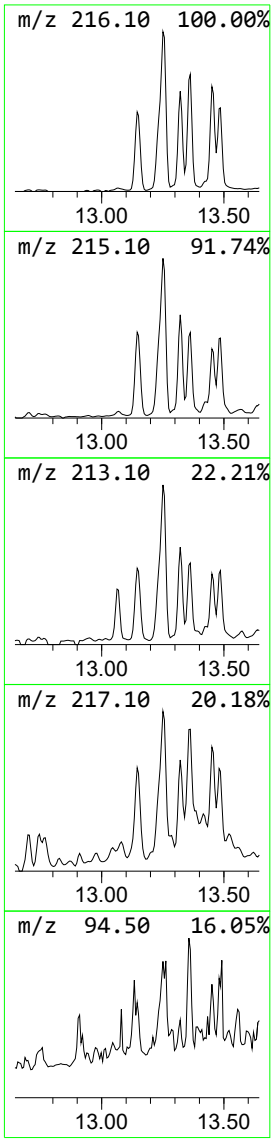
Peak Number 8 Pyrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.145	2.16 ng	123713	Chrysene-d12	14.133

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	92
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072525\
Data File : BF143253.D
Acq On : 25 Jul 2025 16:17
Operator : RC/JU
Sample : Q2689-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-07232025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.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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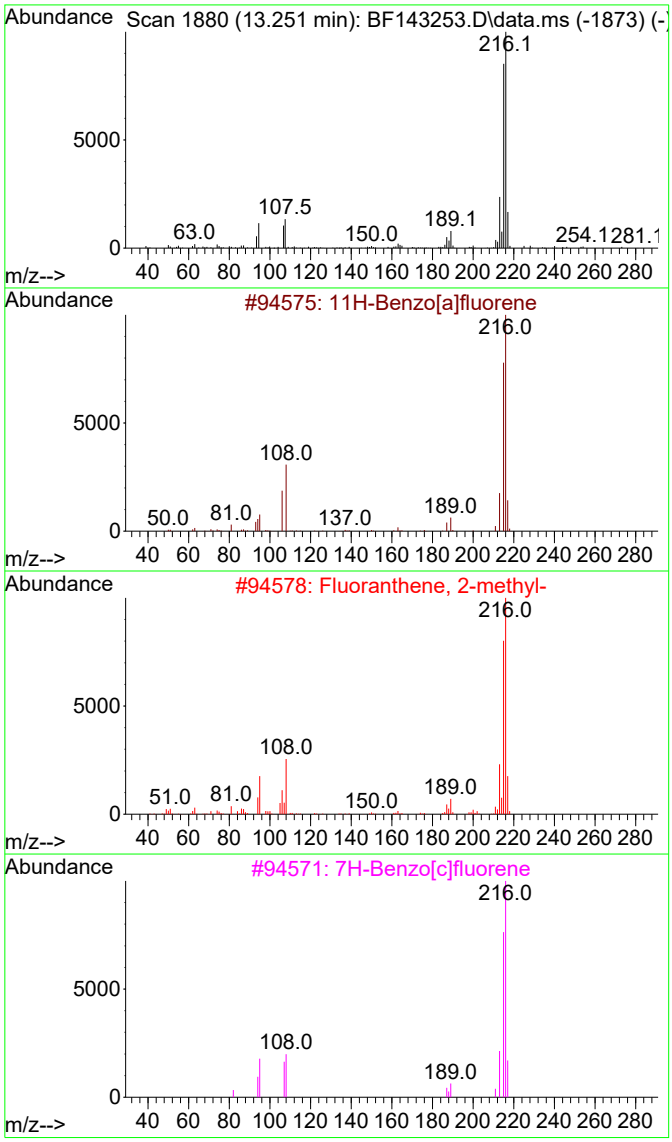
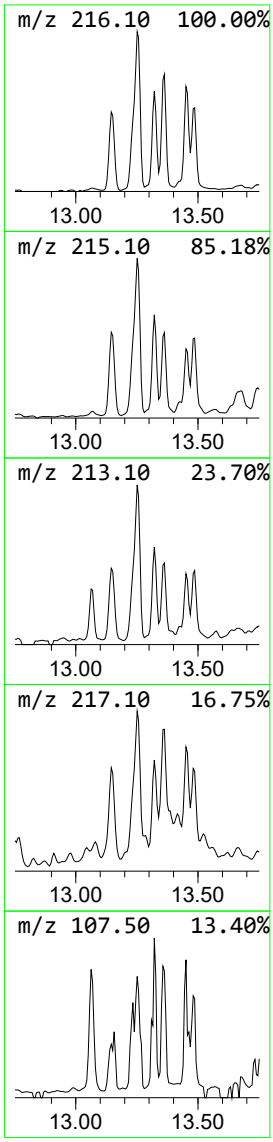
Peak Number 9 11H-Benzo[a]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.251	3.00 ng	172010	Chrysene-d12	14.133

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
3	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072525\
Data File : BF143253.D
Acq On : 25 Jul 2025 16:17
Operator : RC/JU
Sample : Q2689-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-07232025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.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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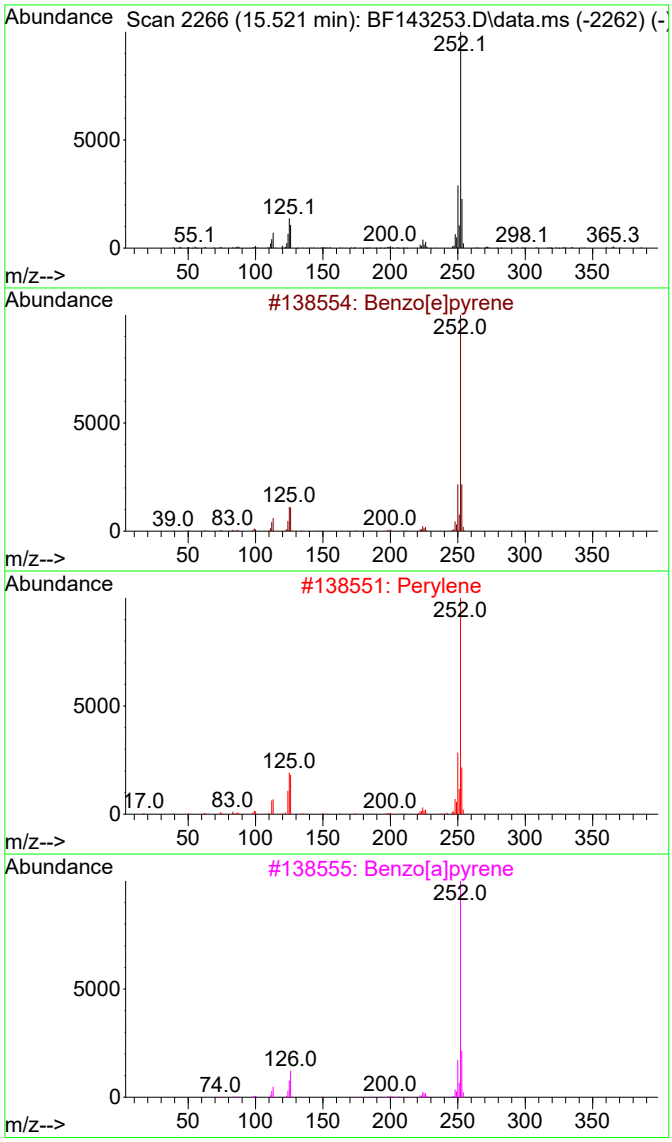
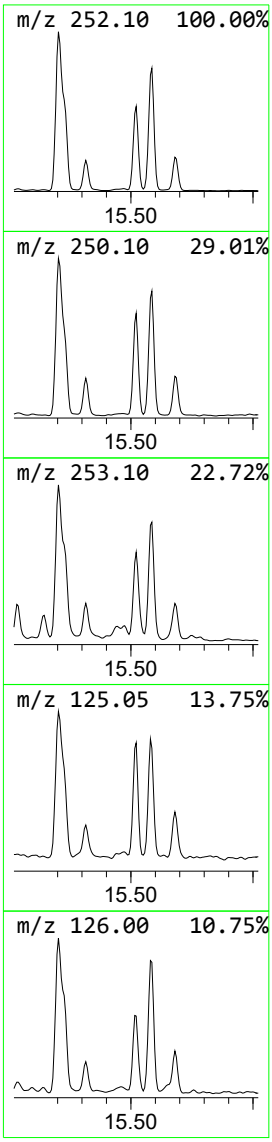
Peak Number 10 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.521	8.88 ng	201396	Perylene-d12	15.651

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Perylene	252	C20H12	000198-55-0	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072525\
Data File : BF143253.D
Acq On : 25 Jul 2025 16:17
Operator : RC/JU
Sample : Q2689-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-07232025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.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
Butane, 2-metho...	2.269	16.2	ng	401967	1	6.963	496142	20.0
2-Pentanone, 4-...	5.181	2.3	ng	57139	1	6.963	496142	20.0
Benzophenone	10.704	3.3	ng	88092	3	9.998	527334	20.0
Phenanthrene, 2...	12.010	8.8	ng	266549	4	11.480	605002	20.0
4H-Cyclopenta[d...	12.098	6.9	ng	208755	4	11.480	605002	20.0
Phenanthrene, 2...	12.533	2.9	ng	88641	4	11.480	605002	20.0
unknown12.569	12.569	2.7	ng	82248	4	11.480	605002	20.0
Pyrene, 1-methyl-	13.145	2.2	ng	123713	5	14.133	1147080	20.0
11H-Benzo[a]flu...	13.251	3.0	ng	172010	5	14.133	1147080	20.0
Benzo[e]pyrene	15.521	8.9	ng	201396	6	15.651	453444	20.0