

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF042420\
 Data File : BF120189.D
 Acq On : 24 Apr 2020 9:18
 Operator : MA/SJ
 Sample : L2394-05
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 O-1

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 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-BF040820.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.263	536	540	550	rBV	2908766	2932969	74.96%	8.583%
2	6.310	713	718	732	rVB	2854003	3043296	77.78%	8.906%
3	6.663	774	778	781	rBV	1114934	924492	23.63%	2.706%
4	6.816	800	804	808	rBV	2646791	2550227	65.18%	7.463%
5	7.228	869	874	877	rBV	2080601	2104364	53.79%	6.159%
6	7.439	906	910	913	rVB	52166	44841	1.15%	0.131%
7	7.945	992	996	1000	rBV	1472588	1225898	31.33%	3.588%
8	9.028	1175	1180	1183	rBV	4553228	3912513	100.00%	11.450%
9	9.422	1243	1247	1251	rBV	569080	436159	11.15%	1.276%
10	9.698	1288	1294	1298	rBV	1633501	1370239	35.02%	4.010%
11	10.492	1424	1429	1432	rBV	2331113	2259530	57.75%	6.613%
12	11.180	1542	1546	1549	rBV	1556861	1425207	36.43%	4.171%
13	11.204	1549	1550	1554	rVB	388631	248549	6.35%	0.727%
14	11.686	1628	1632	1634	rBV	104641	96205	2.46%	0.282%
15	11.722	1634	1638	1643	rVV2	403261	491398	12.56%	1.438%
16	11.792	1647	1650	1652	rVV	147155	143169	3.66%	0.419%
17	11.816	1652	1654	1659	rVB	83111	73971	1.89%	0.216%
18	11.974	1674	1681	1684	rBV2	75883	87012	2.22%	0.255%
19	12.004	1684	1686	1691	rVB2	57550	55359	1.41%	0.162%
20	12.233	1721	1725	1728	rBV	111905	104705	2.68%	0.306%
21	12.269	1728	1731	1733	rVV	48240	54114	1.38%	0.158%
22	12.316	1737	1739	1744	rVB3	58062	60177	1.54%	0.176%
23	12.392	1748	1752	1756	rBV	453692	380418	9.72%	1.113%
24	12.445	1756	1761	1766	rBV6	40466	59378	1.52%	0.174%
25	12.504	1766	1771	1776	rBV3	174305	223878	5.72%	0.655%
26	12.616	1785	1790	1793	rBV	467132	473587	12.10%	1.386%
27	12.680	1798	1801	1804	rVB2	53692	57187	1.46%	0.167%
28	12.774	1812	1817	1820	rBV	4049571	3600531	92.03%	10.537%
29	12.839	1823	1828	1832	rBV2	62415	86839	2.22%	0.254%
30	12.927	1840	1843	1845	rBV3	45992	60105	1.54%	0.176%
31	12.951	1845	1847	1850	rVB	72506	60064	1.54%	0.176%
32	13.016	1855	1858	1861	rVV2	48668	48647	1.24%	0.142%
33	13.051	1861	1864	1869	rVV	90273	83729	2.14%	0.245%
34	13.145	1877	1880	1882	rBV	76424	62773	1.60%	0.184%

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35	13.174	1882	1885	1888	rVB3	63235	57767	1.48%	0.169%
36	13.257	1895	1899	1904	rVB3	83879	94367	2.41%	0.276%
37	13.457	1930	1933	1937	rVB	56747	61372	1.57%	0.180%
38	13.563	1947	1951	1954	rBV2	62011	85348	2.18%	0.250%
39	13.674	1966	1970	1978	rBV3	429486	587759	15.02%	1.720%
40	13.816	1989	1994	1997	rBV	1174709	1214255	31.04%	3.554%
41	13.839	1997	1998	2005	rVB	179927	165515	4.23%	0.484%
42	13.998	2021	2025	2029	rVB3	55603	62604	1.60%	0.183%
43	14.204	2055	2060	2063	rVB	55477	62034	1.59%	0.182%
44	14.298	2073	2076	2079	rBV2	96699	103813	2.65%	0.304%
45	14.598	2122	2127	2133	rVB2	102618	127463	3.26%	0.373%
46	14.663	2134	2138	2145	rBV3	36905	50828	1.30%	0.149%
47	14.727	2146	2149	2158	rVB4	52366	68258	1.74%	0.200%
48	14.827	2162	2166	2175	rBV	123001	212295	5.43%	0.621%
49	14.910	2176	2180	2190	rBV2	142241	212751	5.44%	0.623%
50	15.104	2209	2213	2219	rVB	87782	104697	2.68%	0.306%
51	15.157	2219	2222	2228	rBV	110692	133313	3.41%	0.390%
52	15.221	2228	2233	2236	rBV	656412	788563	20.15%	2.308%
53	15.257	2236	2239	2244	rVB2	109701	141521	3.62%	0.414%
54	15.657	2302	2307	2311	rVB	124074	171842	4.39%	0.503%
55	15.709	2311	2316	2320	rBV7	36537	78218	2.00%	0.229%
56	16.045	2362	2373	2374	rBV2	56163	121438	3.10%	0.355%
57	16.115	2381	2385	2390	rVB3	47037	78174	2.00%	0.229%
58	16.380	2425	2430	2435	rBV7	23470	49859	1.27%	0.146%
59	16.557	2455	2460	2469	rBV2	47420	91615	2.34%	0.268%
60	16.651	2470	2476	2482	rVB2	42243	85074	2.17%	0.249%
61	16.962	2523	2529	2536	rVB3	43398	84091	2.15%	0.246%
62	17.280	2575	2583	2594	rVB6	67339	156777	4.01%	0.459%
63	18.027	2703	2710	2719	rBV7	26505	76930	1.97%	0.225%

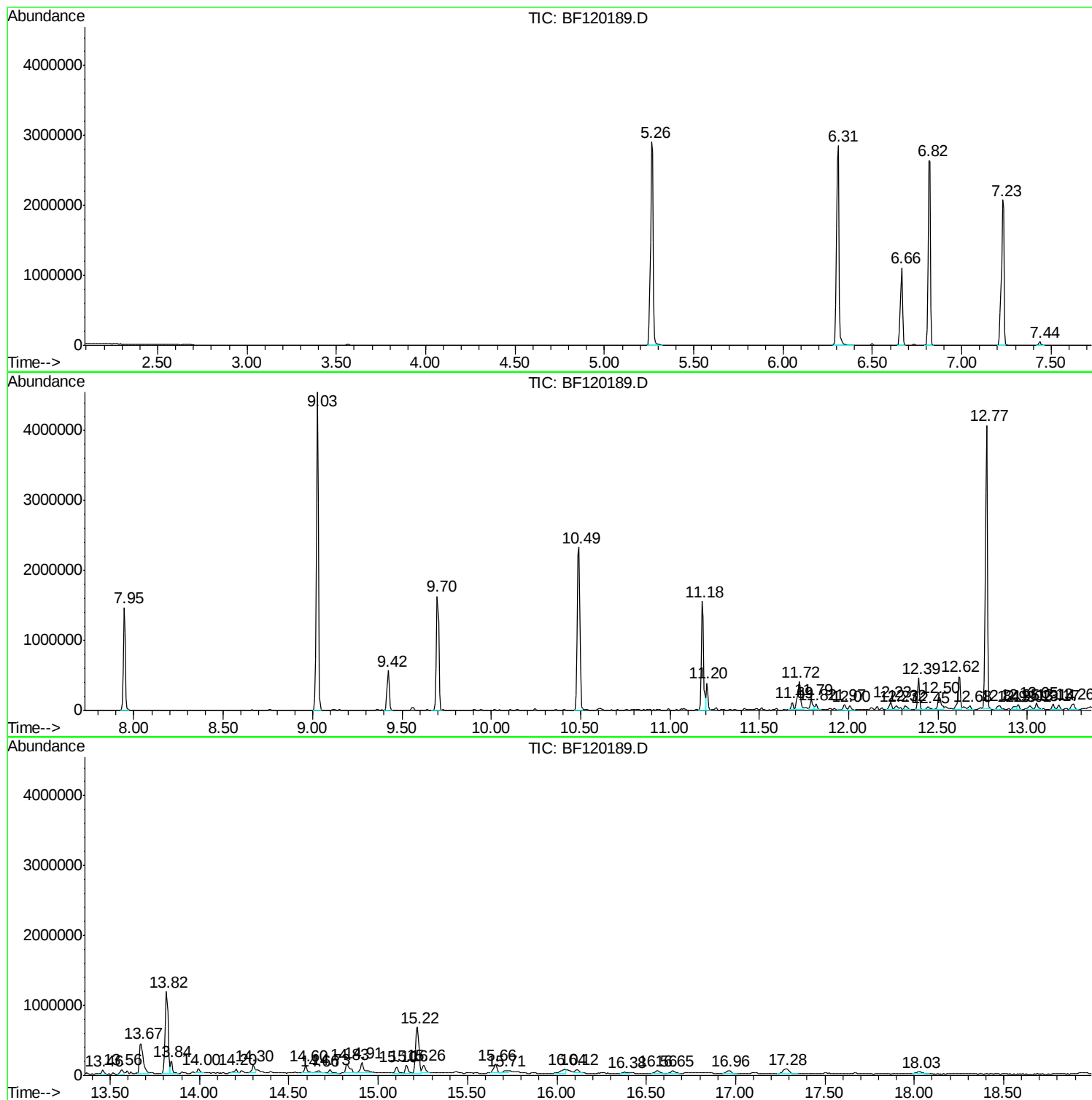
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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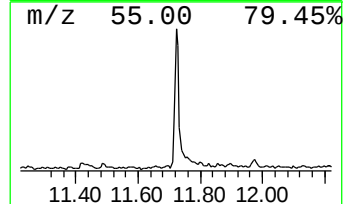
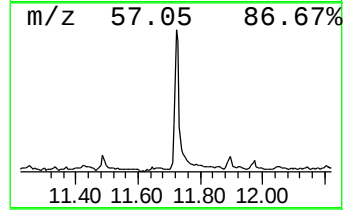
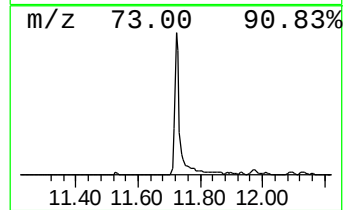
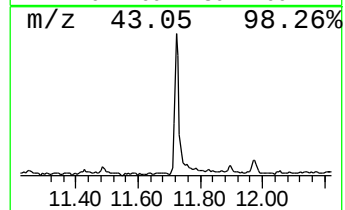
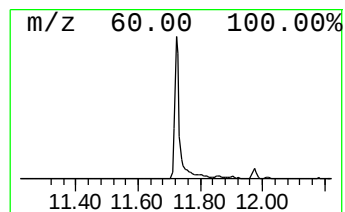
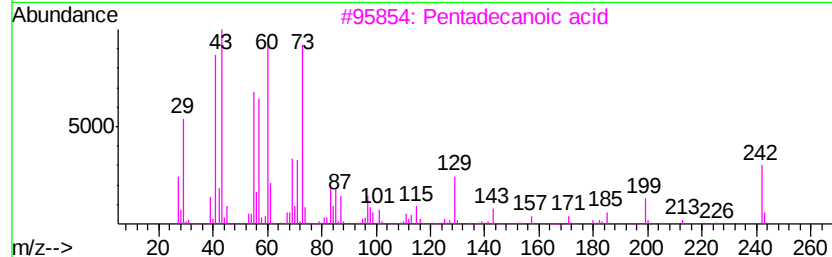
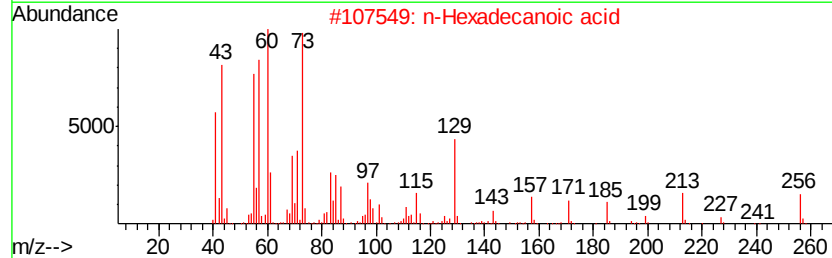
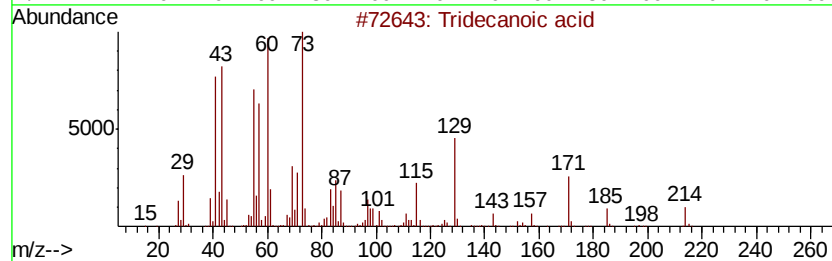
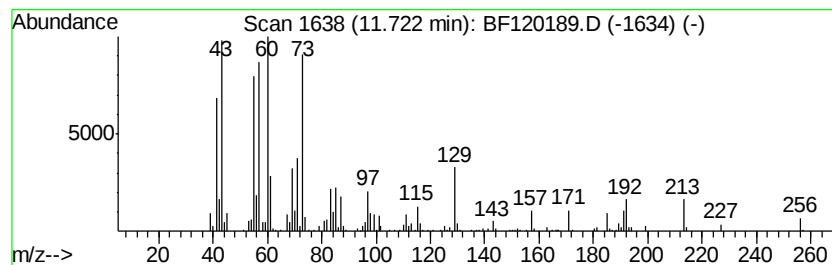
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Tridecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	6.90 ng	491398	Phenanthrene-d10	11.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid	214	C13H26O2	000638-53-9	93
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	83
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	64
5	Undecanoic acid	186	C11H22O2	000112-37-8	53



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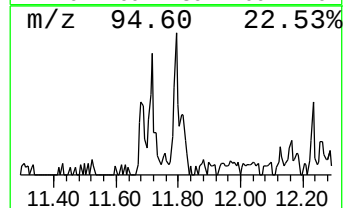
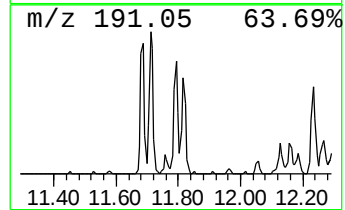
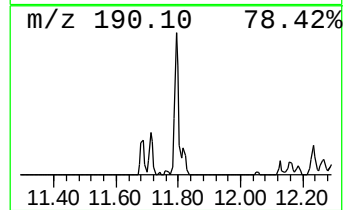
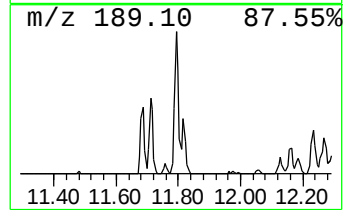
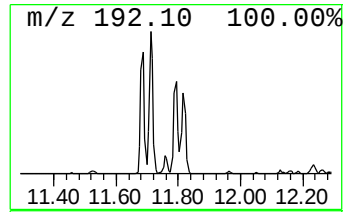
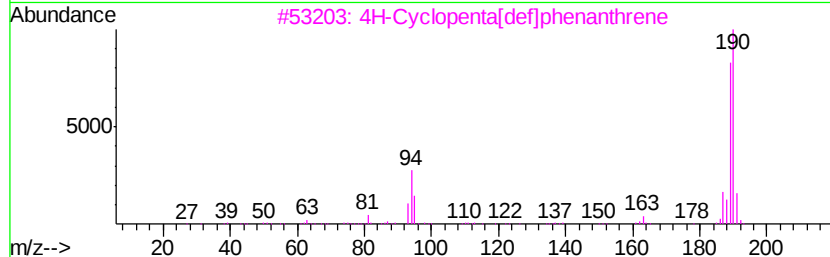
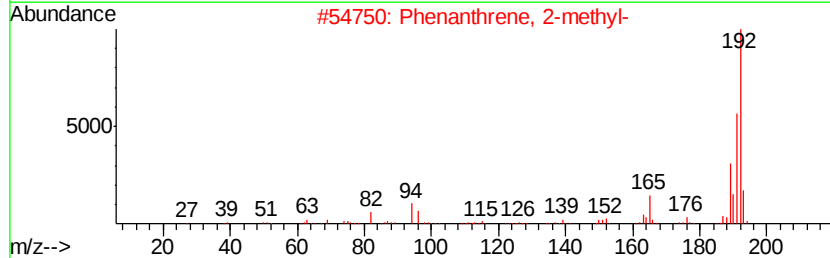
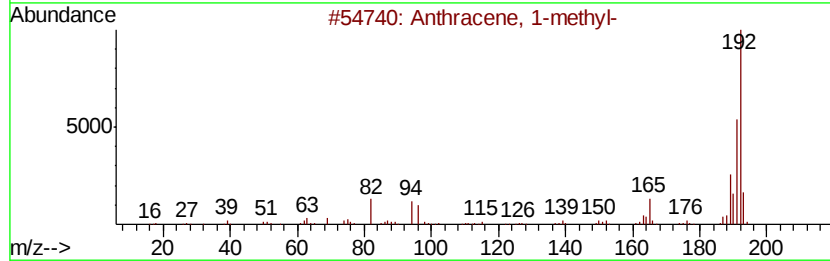
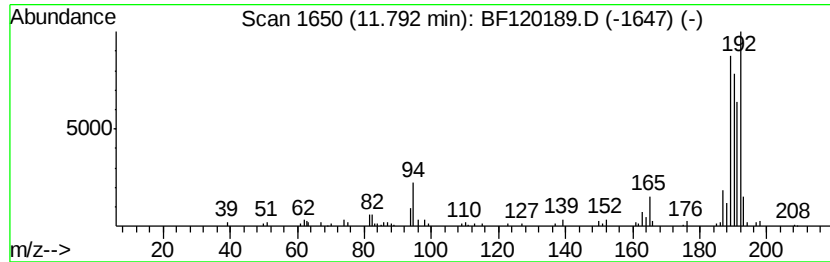
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Anthracene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.79	2.01 ng	143169	Phenanthrene-d10	11.18	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	60
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	60
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	46
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46



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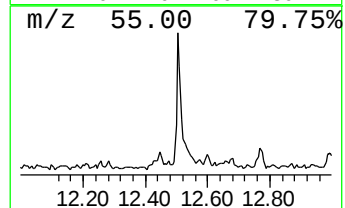
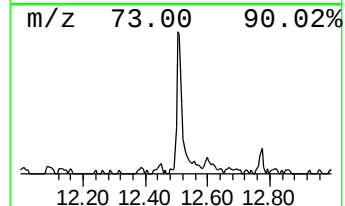
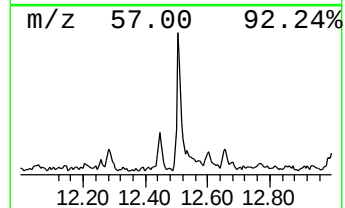
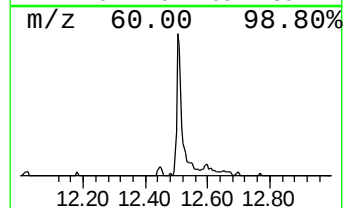
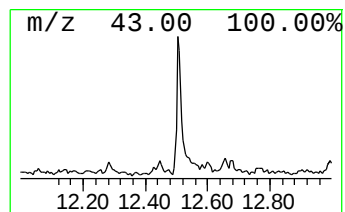
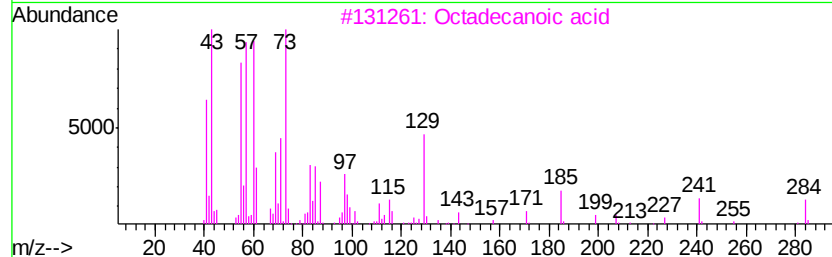
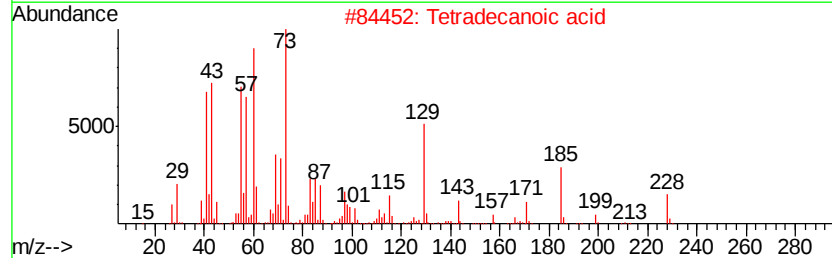
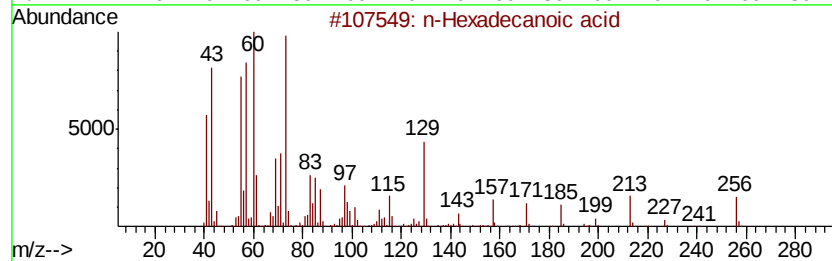
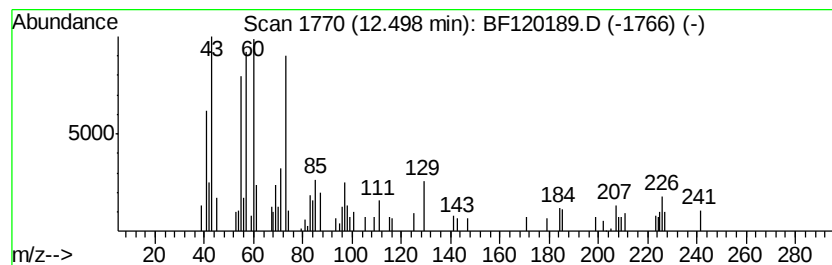
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 4 n-Hexadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.50	3.69 ng	223878	Chrysene-d12	13.82	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	87
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
3	Octadecanoic acid	284	C18H36O2	000057-11-4	83
4	Tridecane	184	C13H28	000629-50-5	25
5	Oxalic acid, isobutyl tridecyl e...	328	C19H36O4	1000309-37-8	18



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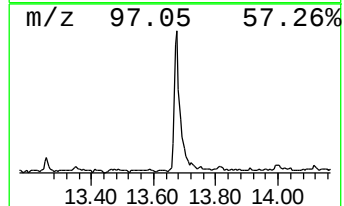
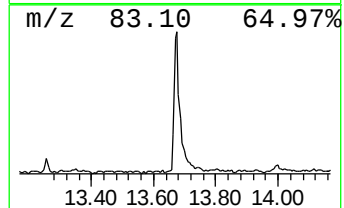
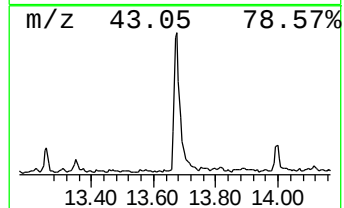
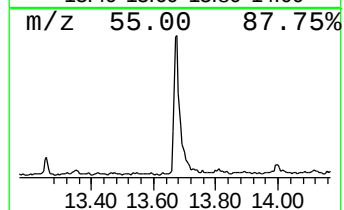
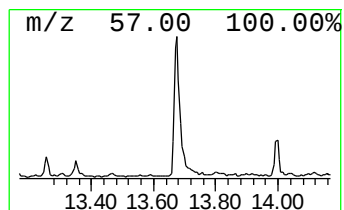
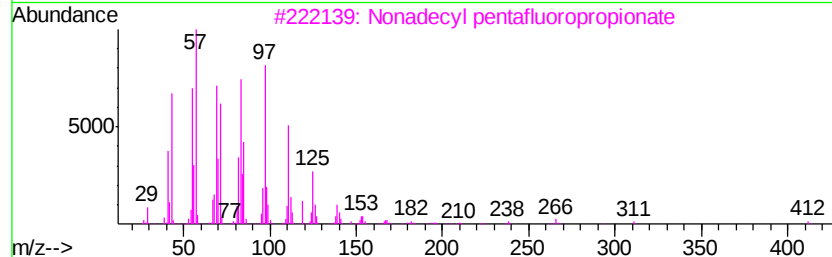
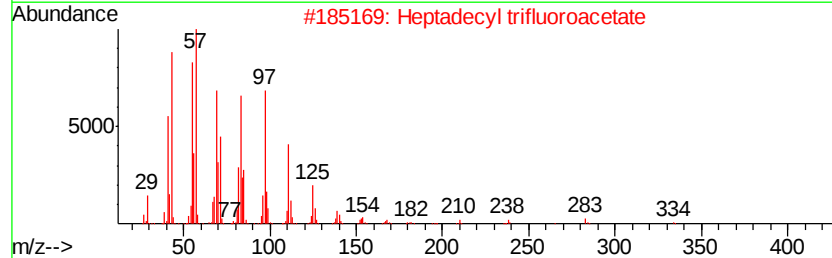
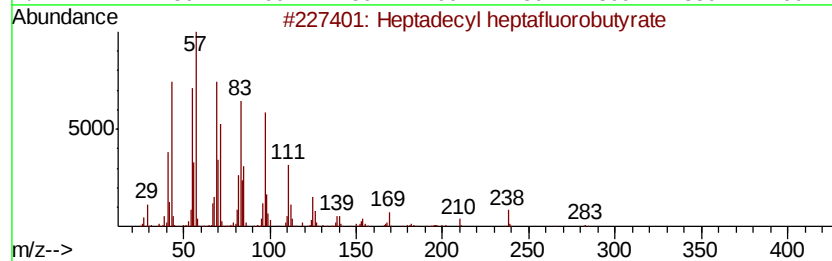
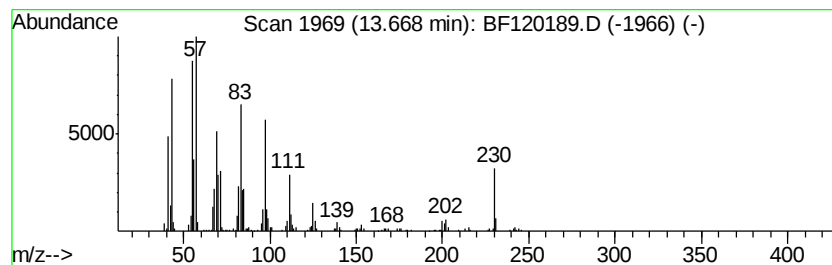
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Peak Number 5 Heptadecyl heptafluorobutyrate Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.67	9.68 ng	587759	Chrysene-d12		13.82	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
2		Heptadecyl trifluoroacetate	352	C19H35F3O2	1000351-87-0	94
3		Nonadecyl pentafluoropropionate	430	C22H39F5O2	1000351-88-8	91
4		n-Tetracosanol-1	354	C24H50O	000506-51-4	91
5		Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	91



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ALS Vial : 26 Sample Multiplier: 1

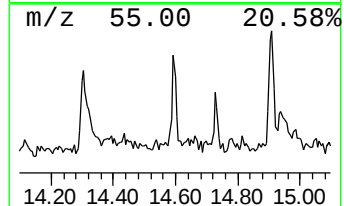
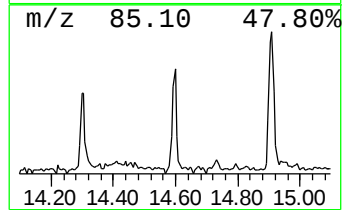
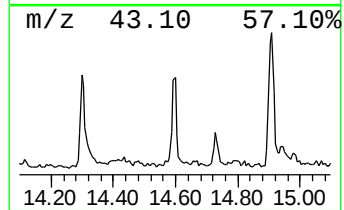
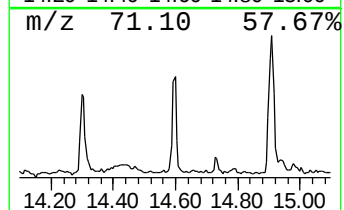
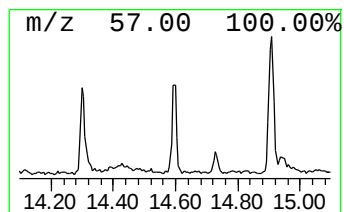
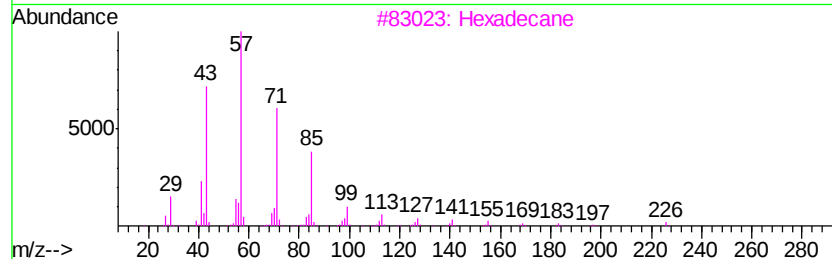
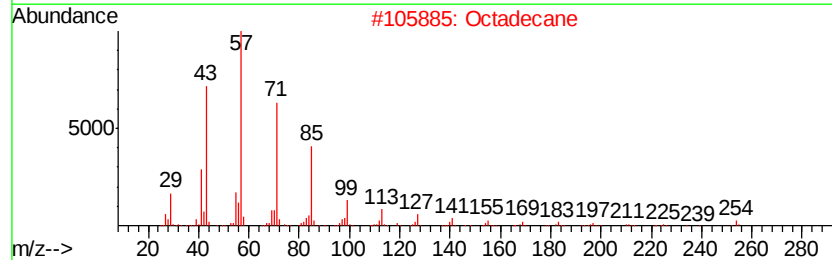
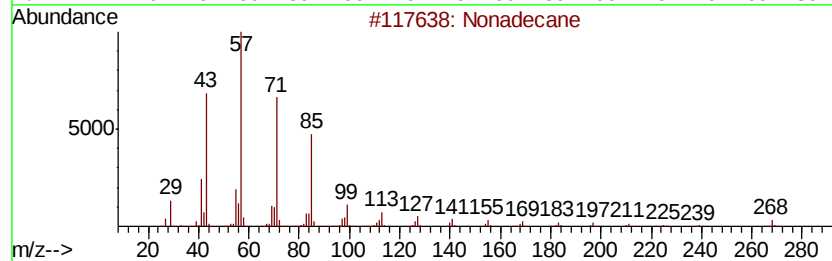
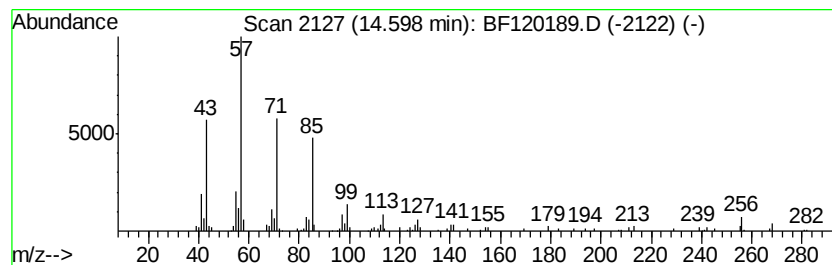
Instrument :
BNA_F
ClientSampleId :
O-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Nonadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD		R.T.
14.60	3.23 ng	127463	Perylene-d12		15.22
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	93
2	Octadecane	254	C18H38	000593-45-3	83
3	Hexadecane	226	C16H34	000544-76-3	83
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	80
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	80



Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF042420\
Data File : BF120189.D
Acq On : 24 Apr 2020 9:18
Operator : MA/SJ
Sample : L2394-05
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
O-1

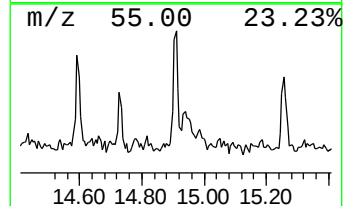
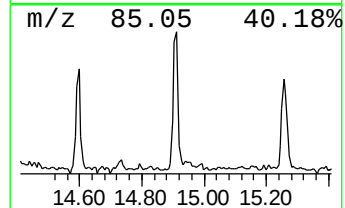
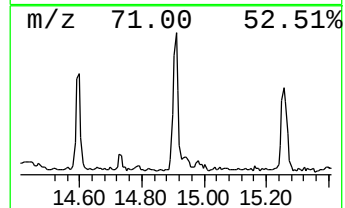
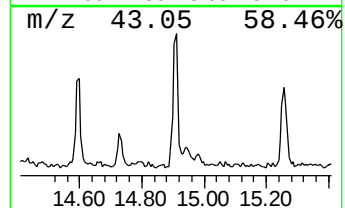
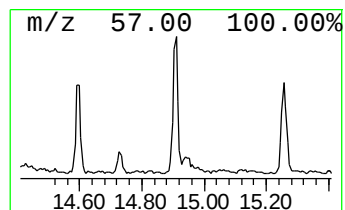
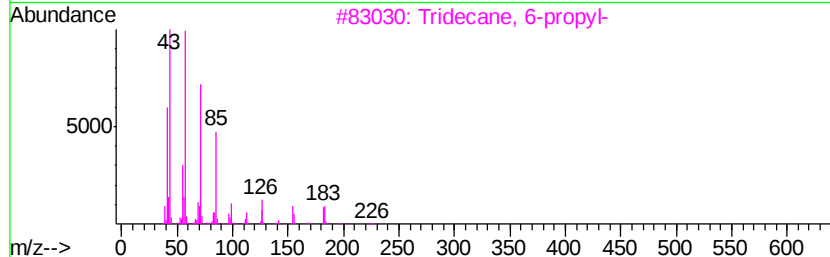
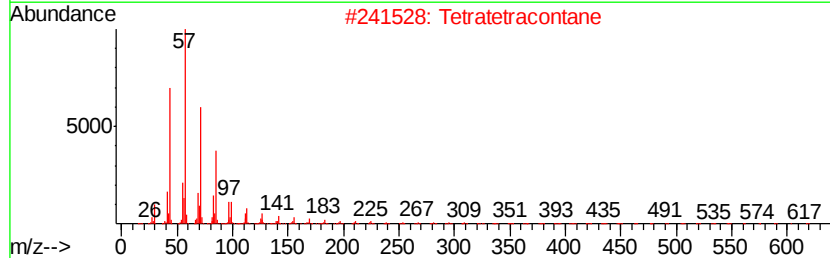
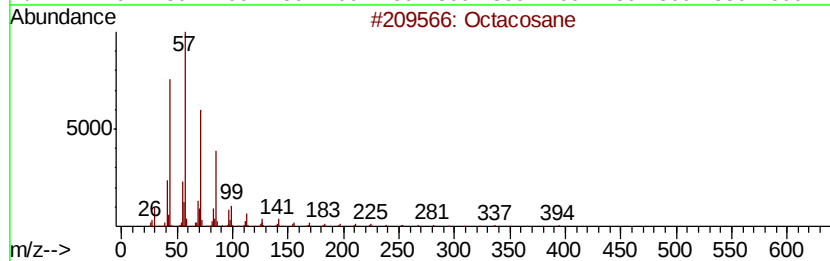
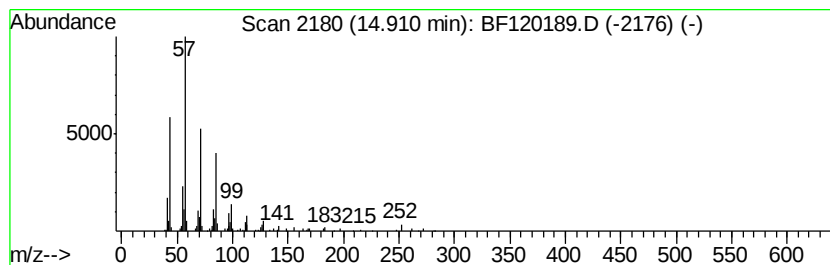
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Octacosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.91	5.40 ng	212751	Perylene-d12	15.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octacosane	394	C28H58	000630-02-4	91
2		Tetratetracontane	619	C44H90	007098-22-8	91
3		Tridecane, 6-propyl-	226	C16H34	055045-10-8	90
4		Tetracosane	338	C24H50	000646-31-1	87
5		Hexacosane	366	C26H54	000630-01-3	87



Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF042420\
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Acq On : 24 Apr 2020 9:18
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Sample : L2394-05
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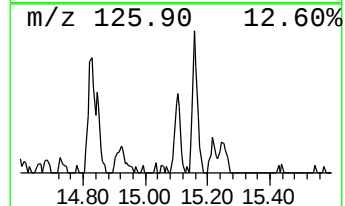
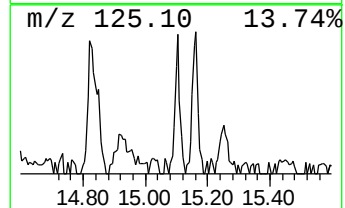
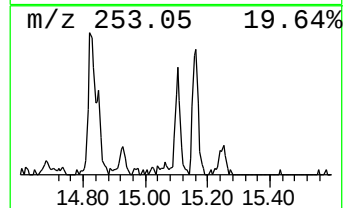
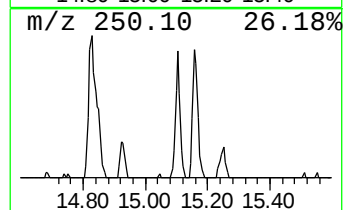
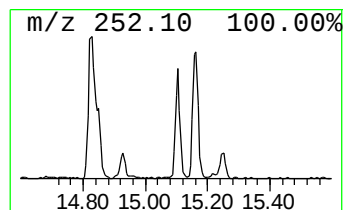
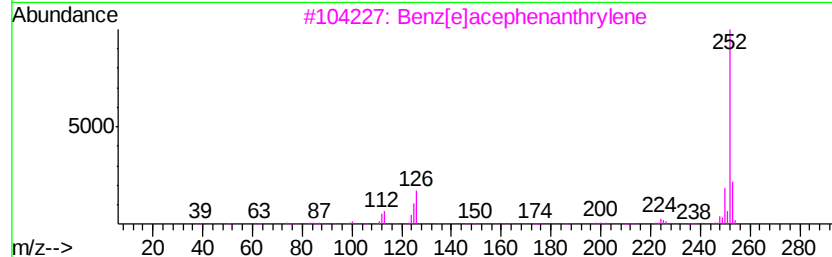
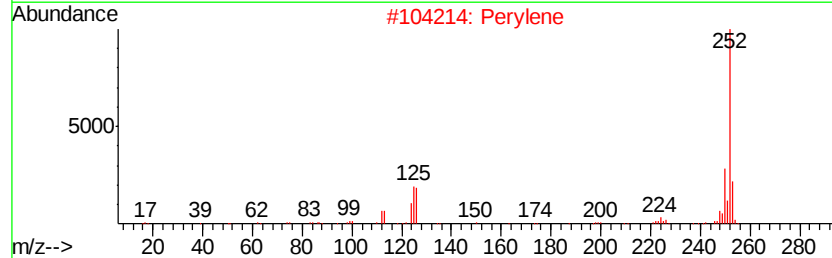
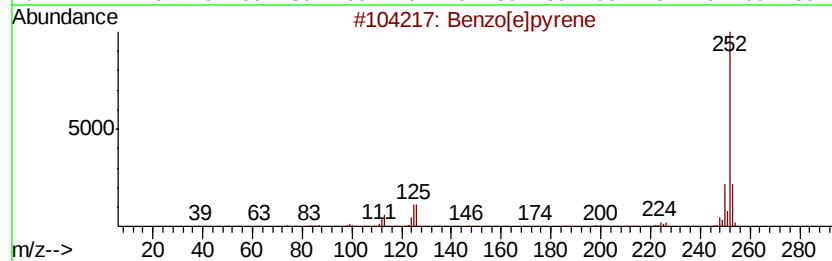
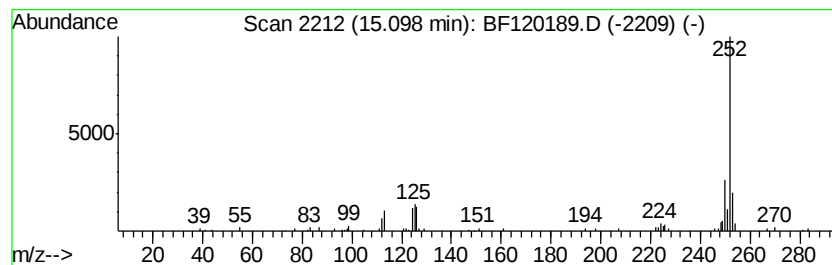
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Benzo[e]pyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.10	2.66 ng	104697	Perylene-d12	15.22	
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	94
3	Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	90
4	Benzo[i]fluoranthene	252	C20H12	000205-82-3	89
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89



Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF042420\
Data File : BF120189.D
Acq On : 24 Apr 2020 9:18
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Sample : L2394-05
Misc :
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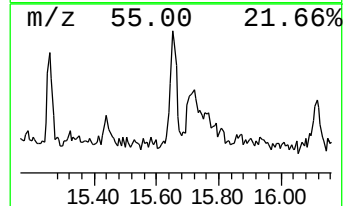
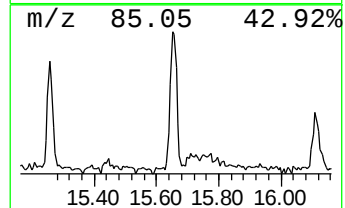
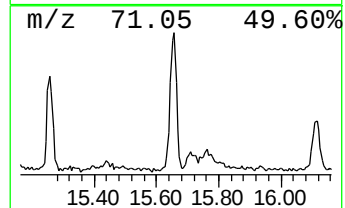
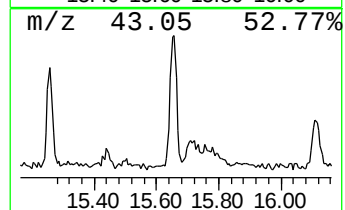
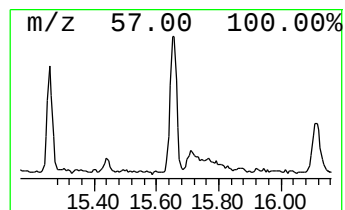
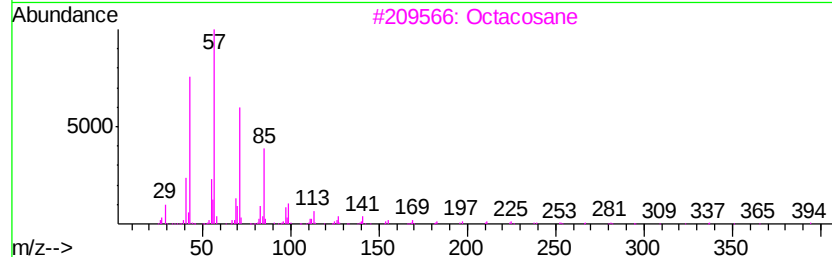
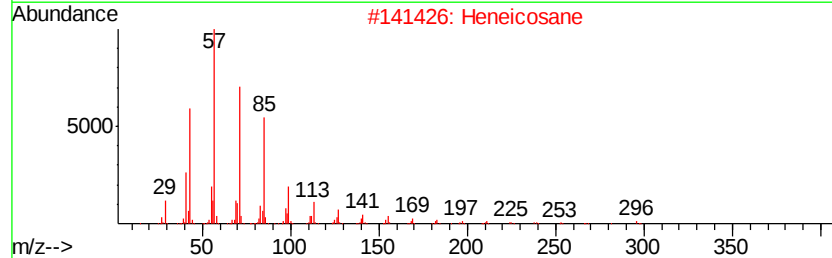
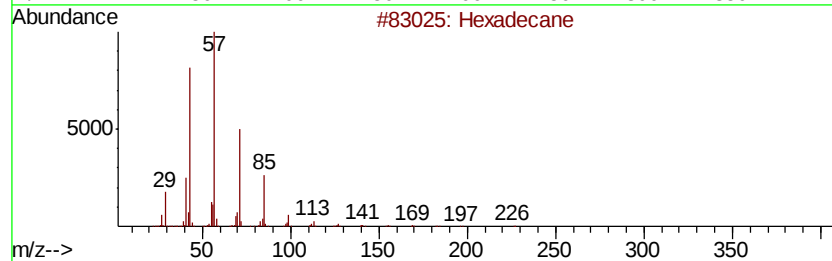
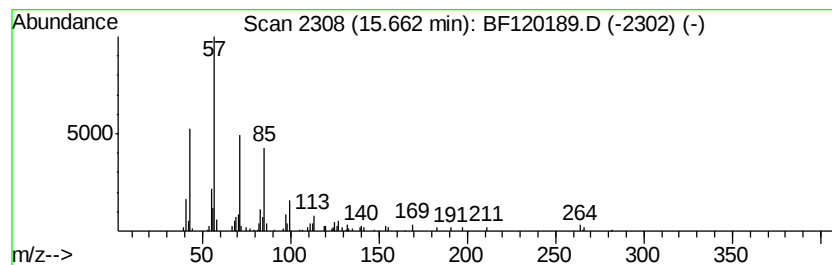
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Hexadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD		R.T.
15.66	4.36 ng	171842	Perylene-d12		15.22
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	93
2	Heneicosane	296	C21H44	000629-94-7	90
3	Octacosane	394	C28H58	000630-02-4	90
4	Tetracosane	338	C24H50	000646-31-1	90
5	2-methyloctacosane	408	C29H60	1000376-72-8	87



Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF042420\
Data File : BF120189.D
Acq On : 24 Apr 2020 9:18
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Sample : L2394-05
Misc :
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ClientSampleId :
O-1

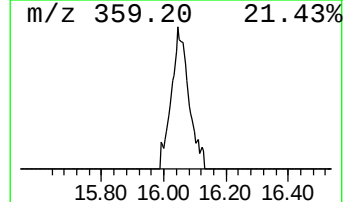
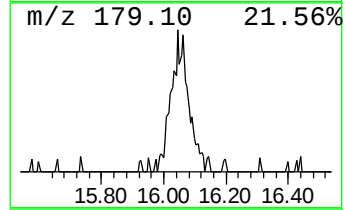
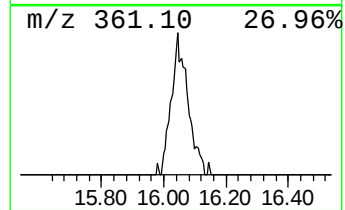
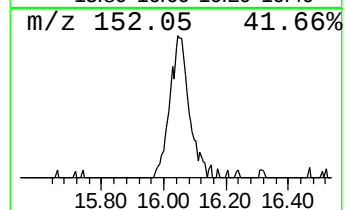
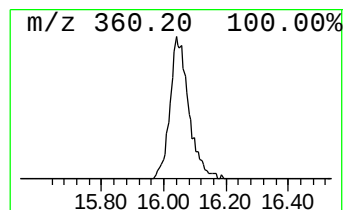
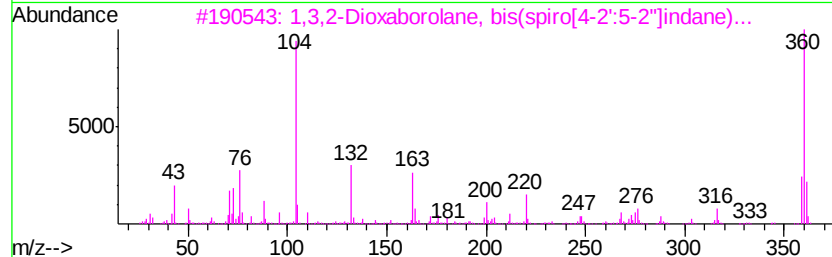
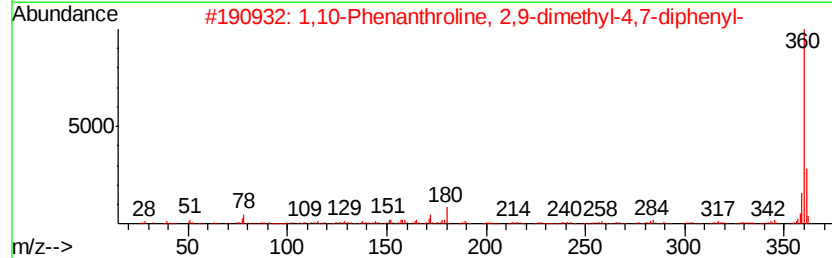
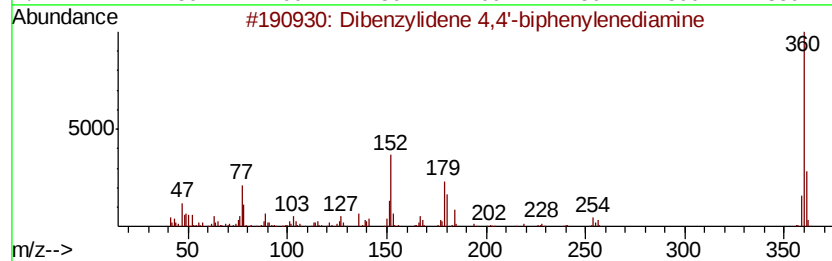
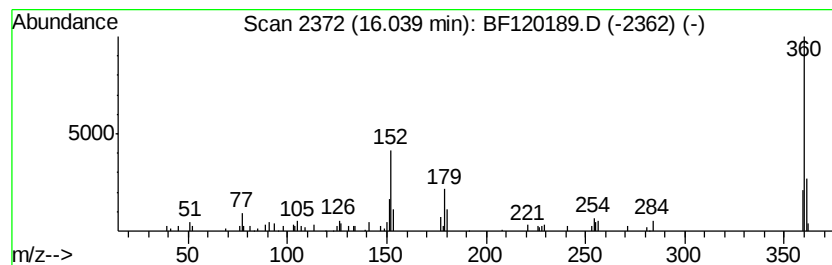
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Dibenzylidene 4,4'-biphenyl... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.04	3.08 ng	121438	Perylene-d12	15.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzylidene 4,4'-biphenylenedi...	360	C26H20N2	006311-48-4	90
2		1,10-Phenanthroline, 2,9-dimethy...	360	C26H20N2	004733-39-5	46
3		1,3,2-Dioxaborolane, bis(spiro[4...	360	C20H13B06	1000150-23-7	43
4		Benzaldehyde, 4-hydroxy-3,5-dime...	360	C18H20N2O6	014414-32-5	43
5		N,N'-di-2-Naphthyl-p-phenylenedi...	360	C26H20N2	000093-46-9	38



Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF042420\
Data File : BF120189.D
Acq On : 24 Apr 2020 9:18
Operator : MA/SJ
Sample : L2394-05
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
O-1

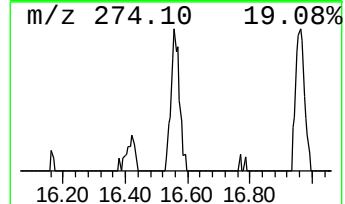
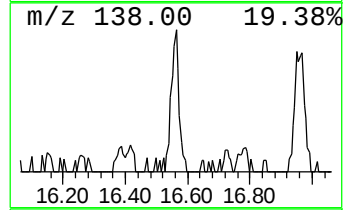
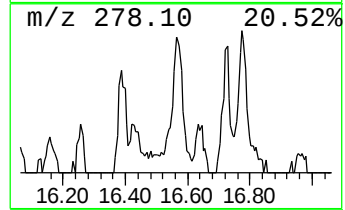
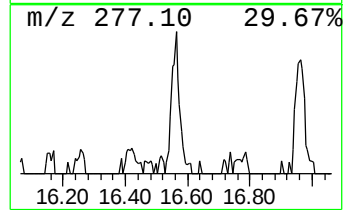
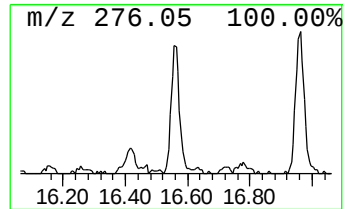
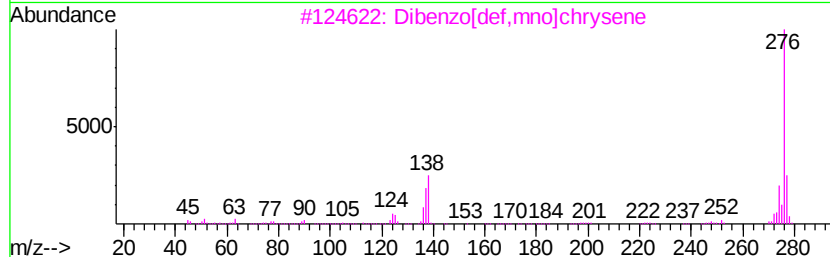
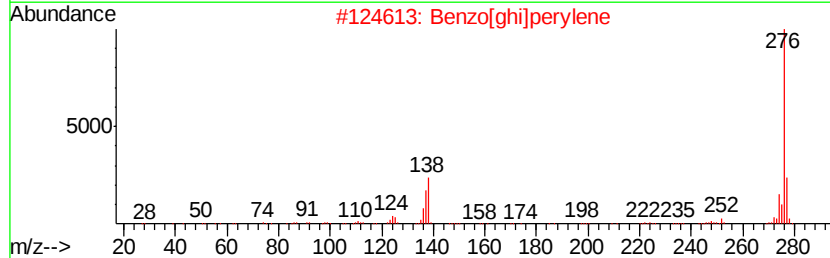
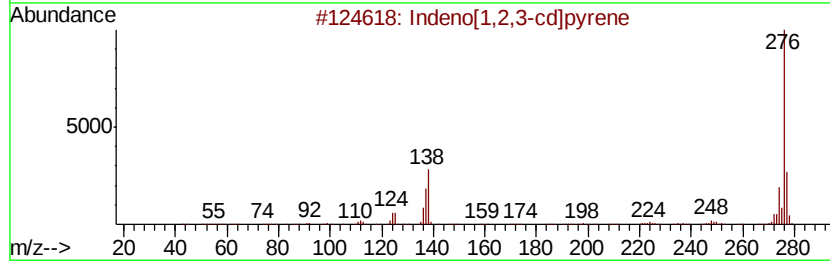
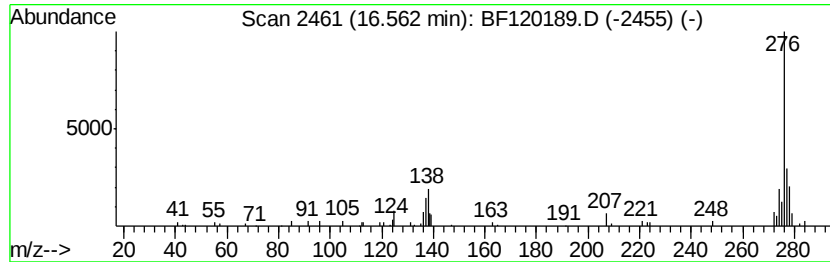
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Dibenzo[def,mno]chrysene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.56	2.32 ng	91615	Perylene-d12	15.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	96
2		Benzo[ghi]perylene	276	C22H12	000191-24-2	94
3		Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	94
4		Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	90
5		2-Dodecyl-p-cresol	276	C19H32O	025912-91-8	43



Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF042420\
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Acq On : 24 Apr 2020 9:18
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Sample : L2394-05
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
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ClientSampleId :
O-1

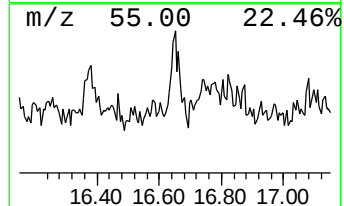
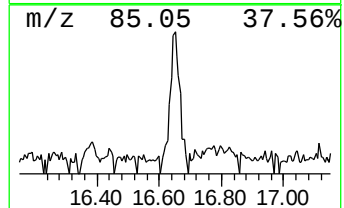
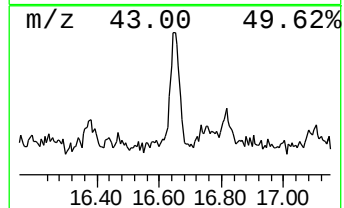
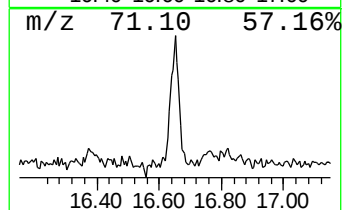
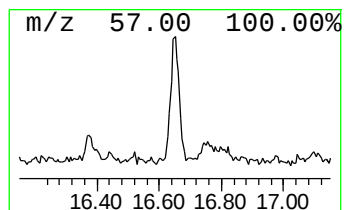
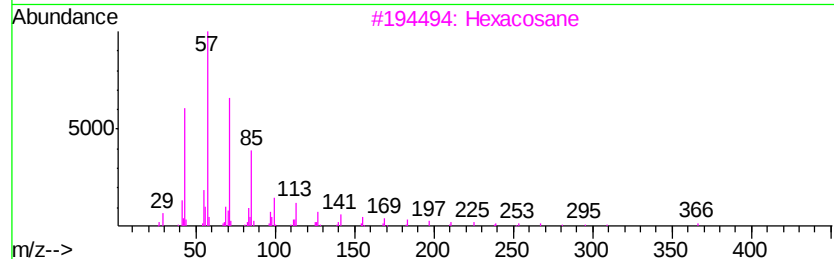
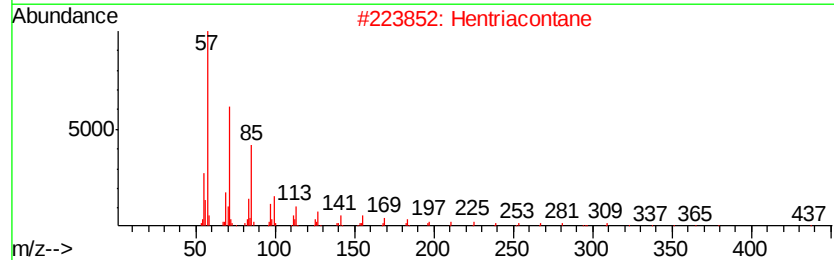
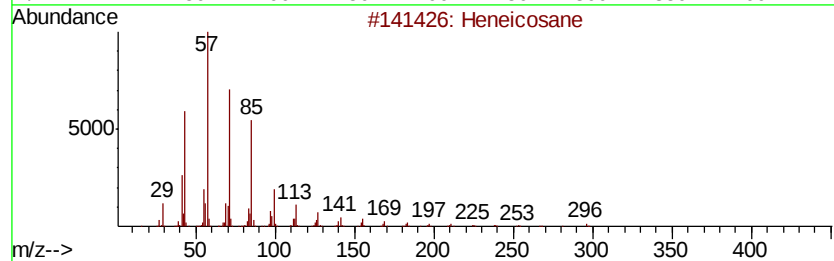
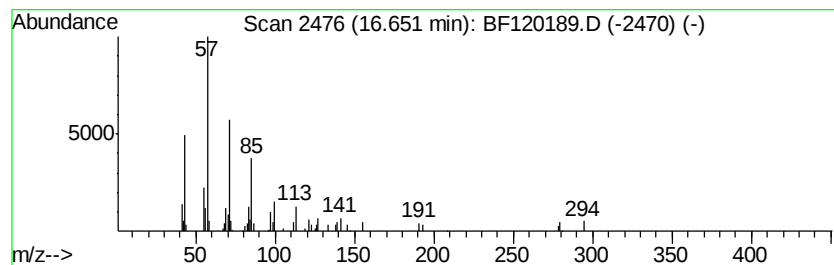
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Heneicosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.65	2.16 ng	85074	Perylene-d12	15.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	87
2		Hentriacontane	437	C31H64	000630-04-6	83
3		Hexacosane	366	C26H54	000630-01-3	83
4		Tetracosane	338	C24H50	000646-31-1	83
5		Pentacosane	352	C25H52	000629-99-2	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042420\
 Data File : BF120189.D
 Acq On : 24 Apr 2020 9:18
 Operator : MA/SJ
 Sample : L2394-05
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 O-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Tridecanoic acid	11.72	6.9 ng		491398	4	11.18	1425210	20.0
Anthracene, 1-met...	11.79	2.0 ng		143169	4	11.18	1425210	20.0
n-Hexadecanoic acid	12.50	3.7 ng		223878	5	13.82	1214260	20.0
Heptadecyl heptaf...	13.67	9.7 ng		587759	5	13.82	1214260	20.0
Nonadecane	14.60	3.2 ng		127463	6	15.22	788563	20.0
Octacosane	14.91	5.4 ng		212751	6	15.22	788563	20.0
Benzo[e]pyrene	15.10	2.7 ng		104697	6	15.22	788563	20.0
Hexadecane	15.66	4.4 ng		171842	6	15.22	788563	20.0
Dibenzylidene 4,4...	16.04	3.1 ng		121438	6	15.22	788563	20.0
Dibenzo[def,mno]c...	16.56	2.3 ng		91615	6	15.22	788563	20.0
Heneicosane	16.65	2.2 ng		85074	6	15.22	788563	20.0
5-(1-Naphthyl)tri...	17.28	4.0 ng		156777	6	15.22	788563	20.0